



PRODUCT SELECTOR

Western Europe 05/2016

INTRODUCING POLYCASA

We're **Polycasa**, a European plastic sheet manufacturer with over 30 years of expertise and the widest range of products available in the industry.

Since April 2015 Polycasa has been part of 3A Composites. The new combined 3A Composites and Polycasa organization has a very strong position as a diverse and leading manufacturer of materials for display, building and industrial applications in Europe.

The 3A Composites Group is part of Schweizer Technologies, which is headquartered in Horgen, Switzerland and is listed on the Swiss stock exchange. 3A Composites, formerly known as Alcan Composites, has been an independent division of Schweizer Technologies since 1st December 2009.

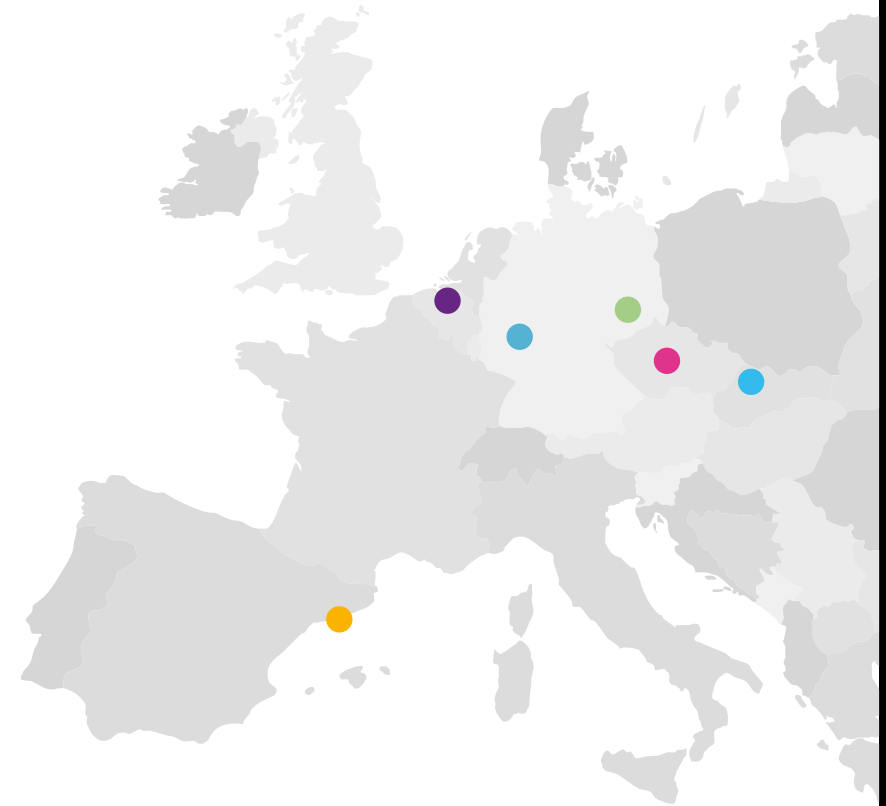
As part of the new combined 3A Composites and Polycasa organization, we're both resourceful and efficient. We're also flexible in our approach and reactive to our customers' and suppliers' needs.

Everything we do is underpinned with our three key values of quality, innovation and loyalty.

Our vision, as a dedicated specialist in plastic extrusion, is to achieve success built upon trust. By showing fairness, transparency and absolute loyalty to everyone, we form strategic alliances with partners who closely support our values. And we offer an ever-increasing range of innovative products backed up with unbeatable customer service.

With our central sales and distribution centre in Geel, Belgium, and production centres of excellence in Germany, Spain, Slovakia and Czech Republic, we're in the perfect position to manufacture high-quality plastics for customers around the world.

It's not just a vision but a commitment to our customers and suppliers. So, it's no wonder we're known as 'your home for plastic sheet'.



OUR PLASTIC SHEET

As a market leader with over 30 years of expertise, **Polycasa** has developed the widest range of plastic sheet available anywhere. Spanning acrylics, styrenics and high-impact sheets, we provide customers with the best choice of materials, gauge, size, colour, pattern, coating and opacity.

From protective windows and anti-bacterial covers to cosmetic displays and designer furniture, our products can be used across many applications. This guide will help you make the right choice for your needs.

The enclosed tables show details such as: number of sheets per pallet, sizes, thickness, available colours and light transmission. There is also a section with information on the physical properties of all products, and the results received from various national test standards agencies.

This guide has been reproduced in several languages with copies available on www.polycasa.com.

As we are continuously improving and enhancing our product range, Polycasa reserves the right to amend our product range and specifications at any time. For the latest information, please contact our sales office.

KEY

- | | |
|--|---|
|  Outstanding Clarity |  High UV Protection |
|  Good Clarity |  High Fire Rating |
|  High Light Transmission |  Food Approved |
|  High Gloss Surface |  Easily Formed |
|  Extensive Colour Range |  Directional Stability |
|  Weather Resistant |  Lightweight |
|  High Impact Resistance |  Rigid |
|  Good Impact Resistance |  Easily Fabricated |
|  Wide Service Temperature Range | |

SELECT PRODUCT



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SELECT APPLICATION

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AUDIO/VISUAL COMMUNICATION

Displays POS/POP

Displays/Showcases

Poster Glazing

Screen Printing (under stress)

Screen printing substrate

Signage

Projection Screens

Flexible poster covers

Printed translucent signs

Small to medium sized displays

Slatwall magazine racks

FOOD PACKAGING

Food Containers

Moulded Containers

Cold food storage elements

ROOFING

Barrel Vaults

Canopies

Conservatories

Domes

Greenhouses

Skylights

Solariums

Swimming Pool Enclosures

GENERAL CONSTRUCTION

Cladding

Partition Walls

Shelters

Sound Barrier Walls

Bath Panels

Flat or Curved Shower Screens

Sanitary Fittings

Shower Cabin Doors

Shower Wall Panels

INTERIOR DESIGN

Beauty Salons

Decorative Lighting

Furniture

Interior Decoration

Picture Frames

SAFETY

Bicycle Safety Helmets

Lighting Controllers for Hazardous Areas

Machine Safety Covers

Safety Signage

GLAZING

Balcony Glazing

Door Glazing

Safety Glazing

Windows (Double & Triple Glazing)

Protective glazing for machinery

OTHER

Aircrafts (Internal use only)

Boat Windows

Car Body Parts

Containers

Covers for Office Equipment

Motorcycle Windshields

Protective Covers for Fragile Items

Refrigerators and Cold Storeroom Equip.

Vacuum Formed Parts

Vehicle and Boat Construction

External Medical Applications

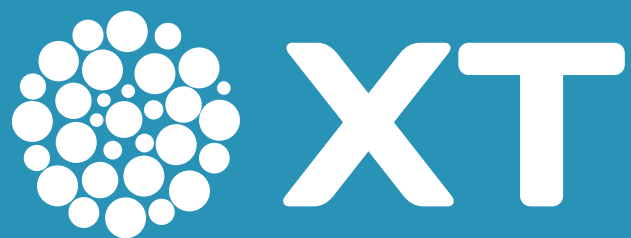
Gift Articles

Hygienic Furniture

Laboratory Equipment

Laboratory Applications

Medical Appliance Packaging





PRODUCT IDENTIFICATION

XT is one of the trade names of **Polycasa** for extruded acrylic (polymethylmethacrylate PMMA) in the form of large dimensional sheets.

Offering solutions for both indoor and outdoor applications, **Polycasa XT** is available in clear and opal white standard, and in a wide range of colours and designs.

Sheets are produced and tested according to DIN EN ISO 7823-2.



POLYCASA XT sheets are easy to cut with a CO₂- laser. Brilliant edges of cut can be achieved depending on type, thickness and surface treatment. The laser operating efficiency should amount to 300 – 1000 W. Neodym-YAG lasers permit excellent engraving of coloured POLYCASA XT sheets. Inert gas rinsing and extraction of monomer vapour must be ensured.

CHARACTERISTICS

- Good optical properties – brilliant transparency showing excellent colour.
- High-quality surfaces – very good weathering and ageing resistance.
- Can be used in contact with foodstuffs – meets all current European food control legislation.
- Does not contain any toxic materials or heavy metals which may cause environmental damage or health risks.
- Easy to recycle.
- High impact grades **Polycasa XT610**, **XT620** and **XT630** have outstanding mechanical properties and excellent impact strength.
- Easy to fabricate.

APPLICATIONS

- Construction components: light domes, partition walls, glazing, roofing, caravan windows.
- Lighting: prismatic control lenses, opal diffusers.
- Engineering components: housings, machine covers.
- Advertising and decoration: letters, shop fittings, panels, Point Of Purchase displays.
- Other applications: containers, lettering templates, solariums UVT (UV-transmitting grade).
- Sound barrier walls.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
XT				1,5	2	2,5	3	4	5	6	8	10	12	15	20	25
Clear		92%	3050 x 2050	80	60	50	40	30	25	20	15	10	10	8	6	5
			2050 x 1250	•	150	•	100	70	60	50	•	•				
Clear	Anti-reflex (1 side)	90%	3050 x 2050		60		40	30	•							
Clear	Fly Safe	92%	3050 x 1900				•	•	•	•	•	•				
White 024	Opal	82%	3050 x 2050		60	50	40	30	•	•	•	•				
			2050 x 1250				•	•								
White 034	Opal	49%	3050 x 2050		60		40	30								
			2050 x 1250				•	•								
White 050	Opal	37%	3050 x 2050		60		40	30								
			2050 x 1250				•	•								
White 055	Opal	35%	3050 x 2050		60		40	30	25							
White 066	Opal	30%	3050 x 2050		60	•	40	30	25	20	•	•				
			2050 x 1250				•	•	•	•						
White 003	Opaque	7%	3050 x 2050		•		40	30	25	•	•	•				
Glossy Black 910	Opaque	<1%	3050 x 2050				40	30	25	•	•	•				
XT special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.																

• = Available in our product offer, but subject to special conditions.

LT = Light transmission figures apply to 3 mm sheet thickness only.

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
XT				1,5	2	2,5	3	4	5	6	8	10	12	15	20	25
Brown 145		50%	3050 x 2050		•	•	40									
Brown 146		50%	3050 x 2050					30								
Brown 147		50%	3050 x 2050						25							
Brown 148		50%	3050 x 2050							20						
Brown 149		50%	3050 x 2050								15					
Brown 150		50%	3050 x 2050									10				
Silicate Green 102		90%	3050 x 2050		•											
Silicate Green 103		90%	3050 x 2050				40									
Silicate Green 104		90%	3050 x 2050					30								
Silicate Green 105		90%	3050 x 2050						25							
Silicate Green 106		90%	3050 x 2050							20						
Silicate Green 108		90%	3050 x 2050								15					
Silicate Green 110		90%	3050 x 2050									10				
Silicate Green 112		90%	3050 x 2050										•			
Silicate Green 115		90%	3050 x 2050											•		
Silicate Green 120		90%	3050 x 2050												•	
XT special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.																

• = Available in our product offer, but subject to special conditions.

LT = light transmission. LT for Brown and Silicate Green sheets is constant over the full range of thicknesses from 2 to 20 mm (thickness varies with product)

Please contact us for all your special requirements.



COMPARATIVE PROPERTIES

Ref : Page 52		XT	XT610	XT620	XT630
Density	g/cm ³	1.19	1.15	1.16	1.17
Impact Strength	kJ/m ²	17	60	35	25

COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
XT HIGH IMPACT				1,5	2	2,5	3	4	5	6	8	10	12	15	20	
Clear	XT 610	90%	3050 x 2050		60		40	30	25	20						
Clear	XT 620	91%	3050 x 2050		60		40	30	25	•						
Clear	XT 630	91%	3050 x 2050		60		40	30	25	•						
White 066	XT 610 Opal	30%	3050 x 2050		•		40	30	•	•						
XT UV TRANSMITTED				1,5	2	2,5	3	4	5	6	8	10	12	15	20	
Clear	UVT	92%	3050 x 2050		60		40	•	•	•	•	•				
XT SOFT TONE				1,5	2	2,5	3	4	5	6	8	10	12	15	20	
Clear	Double-sided ST	88%	3050 x 2050			•	40	30	25	20	15	•				
White 024	Double-sided ST	74%	3050 x 2050			•	40	30	25	20	•	•				
Blue 019	Double-sided ST	70%	3050 x 2050			•	•	30	•	•	•	•				
Green 101	Double-sided ST	88%	3050 x 2050			•	•	30	•	•	•	•				
PATTERNED XT				1,5	2	2,5	3	4	5	6						
Prismatic			2050 x 1250				•	•	•	•						
XT Soft Tone Single-sided ST (subject to special conditions): Clear, White 024, Blue 019 and Green 101.																
XT special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.																

Products having a number of sheets per pallet in the table are available on stock.

• = Available in our product offer, but subject to special conditions.

LT = Light transmission figures apply to 3 mm sheet thickness only.

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET				
				THICKNESS in mm				
XT SOUND BARRIER WALL (SBW)*					15	18	20	25
Clear		90%	3050 x 2050		•	•	•	•
Blue 115		44%	3050 x 2050		•	•	•	•
Blue 120		50%	3050 x 2050		•	•	•	•
Green 110		83%	3050 x 2050		•	•	•	•
Green 036		67%	3050 x 2050		•	•	•	•
Green 125		86%	3050 x 2050		•	•	•	•
Brown 115		45%	3050 x 2050		•	•	•	•
Grey 115		7%	3050 x 2050		•	•	•	•
XT SOUND BARRIER WALL (SBW)* FLY SAFE*					15	18	20	25
Clear		90%	3050 x 1900		•	•	•	
Ref *: Tested and certified in accordance with the requirements of EN1793 and 1794 and approved for use in Sound Barrier Walls.								
XT special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.								

Products having a number of sheets per pallet in the table are available on stock.

• = Available in our product offer, but subject to special conditions.

LT = Light transmission figures apply to 20 mm sheet thickness only.

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET					
				THICKNESS in mm					
XT SBW SOFT TONE*					12**	15	18	20	
Clear	Single-sided ST		3050 x 2050		•	•	•	•	
Blue 115	Single-sided ST		3050 x 2050		•	•	•	•	
Blue 120	Single-sided ST		3050 x 2050		•	•	•	•	
Green 110	Single-sided ST		3050 x 2050		•	•	•	•	
Green 036	Single-sided ST		3050 x 2050		•	•	•	•	
Green 125	Single-sided ST		3050 x 2050		•	•	•	•	
Brown 115	Single-sided ST		3050 x 2050		•	•	•	•	
Grey 115	Single-sided ST		3050 x 2050		•	•	•	•	
XT Soft Tone Double-sided ST (subject to special conditions): Clear, Blue 115, Blue 120, Green 110, Green 036, Green 125, Brown 115, Grey 115 and additional colours on request. Ref *: Tested and certified in accordance with the requirements of EN1793 and 1794 and approved for use in Sound Barrier Walls. More detailed information is available on request. Ref ** - No Sound Barrier Wall Certificate available.									
XT special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.									

Products having a number of sheets per pallet in the table are available on stock.

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Please contact us for all your special requirements.





PRODUCT IDENTIFICATION

CAST is the brand name for cast polymethylmethacrylate sheets from Polycasa.

The composition of the final product is 90-95% PMMA + additives (stabilisers, plasticisers, dyes and pigments, and release agents).



▶ HOW CAST IS MADE VIDEO



Did you know we can develop any colour you need for your project faster than you would expect?

CHARACTERISTICS

- Optical transparency of 93% light transmission for transparent sheets – significantly lighter and far more impact-resistant than glass of the equivalent thickness.
- Resistant to UV rays, good thermal stability and low water absorption.
- Easy to handle – most fabricating techniques can be used with CAST, allowing attractive designs.
- Food approved according to EN 10-2011.
- Easy to recycle.
- Tailor made colours on demand.
- Wide range of specialties.

APPLICATIONS

Industry:

- Signs.
- Displays.
- Furniture.
- Sanitary fittings.
- Gift articles.
- Shopfittings.
- Solariums.
- Boat windows.
- Projection screens.

Construction:

- Skylights.
- Barrel vaults.
- Partitions.
- Doors.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET														
				THICKNESS in mm														
CAST				2	2,5	3	4	5	6	8	10	12	15	20	25	30	35	
Clear 1000	FLS	93%	3050 x 2030	60	50	40	30	25	20	15	10	10	8	6	5	4		
			2030 x 1520	120	100	80	60	50	40	30	20	20	16	12	10	8		
			3000 x 2000														3	
			2000 x 1500														6	
Clear 1000	Mat	91%	3050 x 2030			40	30	25	•	15	10	•	•	•	•	•		
Clear 1000	UVT	93%	3050 x 2030			40	•	25	•	•	•	•	•	•	•	•		
CAST BLOCKS					40	45	50	60	70	80	100							
Clear 1000	FLS/MAT/ARD		2050 x 1330		•													
			2020 x 1320			•	•	•										
			2000 x 1300						•	•	•							
			1300 x 1000		•	•	•	•	•	•	•							
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions.																		

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

LT = Light transmission figures apply to 3mm sheet thickness only.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET														
				THICKNESS in mm														
CAST BLOCKS					40	45	50	60	70	80	100							
Transparent Green 1502	FLS/ARD/MAT		2050 x 1330		•													
			2020 x 1320			•	•	•										
			2000 x 1300						•	•	•							
			1300 x 1000		•	•	•	•	•	•	•							
Transparent Blue 1875	FLS/ARD/MAT		2050 x 1330		•													
			2020 x 1320			•	•	•										
			2000 x 1300						•	•	•							
			1300 x 1000		•	•	•	•	•	•	•							
Black 3945	FLS/ARD/MAT		2050 x 1330		•													
			2020 x 1320				•	•										
			1300 x 1000		•		•	•										
CAST LUMINA				2	2,5	3	4	5	6	8	10	12	15	20	25	30	35	
Light diffusion 2050	FLS		3050 x 2030			•	30	25	20	15	10	•	•	•	•	•		
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions.																		

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET													
				THICKNESS in mm													
					3	4	5	6	8	10	12	15	20				
CAST VISION																	
Vision front 3014	MAT		3050 x 2030		•	30	•	•	•	•	•	•	•				
Vision front 3014	ARD		3050 x 2030		•	•	•	•	•	•	•	•	•				
Vision rear 2950	ARD		3050 x 2030		•	30	•	•	•	•	•	•	•				
Vision rear 2950	MAT		3050 x 2030		•	30	•	•	•	•	•	•	•				
Vision through 2051	FLS		3050 x 2030		•	30	•	•	•	•	•	•	•				
CAST ANTI-BACTERIA*					3	4	5	6	8	10	12	15	20	25	30	35	
			3050 x 2030		•	•	•	•	•	•	•	•	•	•	•	•	
CAST BEAUTÉ*					3	4	5	6	8	10	12	15	20	25	30	35	
			3050 x 2030		•	•	•	•	•	•	•	•	•	•	•	•	
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions. Sheet thickness 35 mm produced in dimension 3000 x 2000 mm																	

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

* Possible to produce in any colour reference.

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
CAST OPTIMA ¹					3	4	5	6	8	10	12	15	20	25	30	35
White 2021	LED	59%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Yellow 2250	LED	51%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Orange 2251	LED	62%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Orange-Amber 2350	LED	62%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Super-Red 2651	LED	58%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
True-green 2550	LED	36%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Blue 2851	LED	51%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
CAST ARGENTA					3	4	5	6	8	10	12	15	20	25	30	35
Grey 6010	ARGENTA	0-1%	3050 x 2030		•											
Gold 6210	ARGENTA	0-1%	3050 x 2030		•											
Red 6610	ARGENTA	0-1%	3050 x 2030		•											
Green 6510	ARGENTA	0-1%	3050 x 2030		•											
Violet 6710	ARGENTA	0-1%	3050 x 2030		•											
Blue 6810	ARGENTA	0-1%	3050 x 2030		•											
Black 6910	ARGENTA	0-1%	3050 x 2030		•											
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions. Sheet thickness 35 mm produced in dimension 3000 x 2000 mm																

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

¹ Light transmission values referred to emitting wavelength (see technical data sheet).

LT = Light transmission figures apply to 3mm sheet thickness only.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET											
				THICKNESS in mm											
CAST FLUOEDGE				2,5	3	4	5	6	8	10	12	15	20	25	30
Banana Yellow 1260	Transparent	85.7%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Fiery Orange 1360	Transparent	82.2%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Schocking Pink 1660	Transparent	85.4%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Lime Green 1580	Transparent	86.9%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Electric Blue 1860	Transparent	83.5%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Wildflower Violet 1760	Transparent	84.8%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
CAST NIGHT & DAY				2,5	3	4	5	6	8	10	12	15	20	25	30
Black & White 2902	MAT		3050 x 2030		40	30	•	•	•	•	•	•	•	•	•
Grey & White 2913	MAT		3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions.															

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

■ = Lead-times subject to production.

LT = Light transmission figures apply to 3mm sheet thickness only.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
CAST OPAQUES				2,5	3	4	5	6	8	10	12	15	20	25	30	
White 3014	Opaque	5%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•	
Black 3945	Opaque	<1%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•	
Brown 3420	Opaque	<1%	3050 x 2030		40	•	•	•	•	•						
Grey 3924	Opaque	<1%	3050 x 2030		40	•	•	•	•	•						
CAST OPALS				2,5	3	4	5	6	8	10	12	15	20	25	30	35
Ice White 2000	Opal	71%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•	•
Ice White 2013	Opal	68%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	4	•
White 4000	Opal	41%	3050 x 2030		40	30	25	20	•	•	•	•	•	•	•	•
White 4005	Opal	37%	3050 x 2030		40	30	25	20	•	•	•	•	•	•	•	•
White 4018	Opal	52%	3050 x 2030		40	30	25	•	•	•	•	•	•	•	•	•
White 4029	Opal	30%	3050 x 2030		40	30	25	20	•	•	•	•	•	•	•	•
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions. Sheet thickness 35 mm produced in dimension 3000 x 2000 mm																

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
CAST				2,5	3	4	5	6	8	10	12	15	20	25	30	35
Yellow 1201	FLS	61%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Orange 1303	FLS	40%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Brown 1433	FLS	57%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•	•
Green 1504	FLS	28%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Red 1617	FLS	19%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Blue 1819	FLS	22%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Blue 1861	FLS	51%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•	•
Blue 1875	FLS	72%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•	•
Grey 1917	FLS	18%	3050 x 2030		40	•	•	•	•	•	•	•	•	•	•	•
Brown 1923	FLS	26%	3050 x 2030		40	30	25	20	•	•	•	•	•	•	•	•
Grey 1961	FLS	43%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•	•
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions. Sheet thickness 35 mm produced in dimension 3000 x 2000 mm																

■ = Lead-times subject to production.

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.

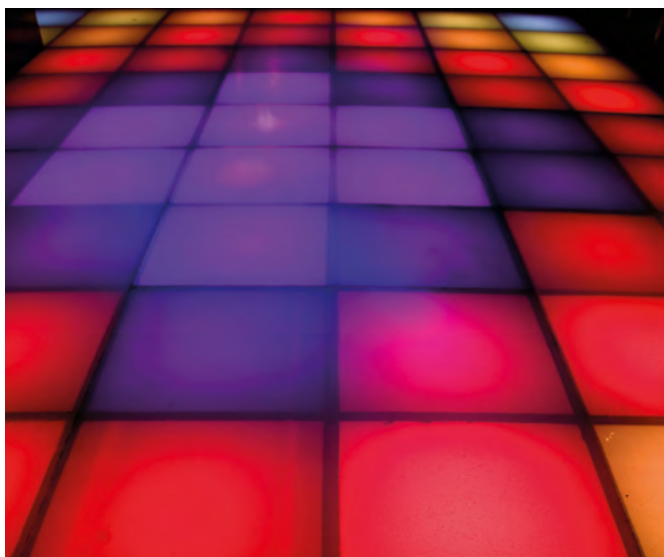


COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET											
				THICKNESS in mm											
CAST TRANSLUCENTS				2,5	3	4	5	6	8	10	12	15	20	25	30
Cream 4108	FLS	17%	3050 x 2030		•	•	•	•	•	•	•	•	•		
Yellow 4201	FLS	22%	3050 x 2030		40	30	•	•	•	•	•	•	•		
Yellow 4203	FLS	21%	3050 x 2030		40	•	•	•	•	•	•	•	•		
Yellow 4218	FLS	22%	3050 x 2030		40	•	•	•	•	•	•	•	•		
Orange 4317	FLS	17%	3050 x 2030		40	30	•	•	•	•	•	•	•		
Green 4503	FLS	3%	3050 x 2030		40	•	•	•	•	•	•	•	•		
Green 4517	FLS	11%	3050 x 2030		40	•	•	•	•	•	•	•	•		
Red 4606	FLS	15%	3050 x 2030		40	30	•	•	•	•	•	•	•		
Red 4629	FLS	10%	3050 x 2030		40	30	•	•	•	•	•	•	•		
Ice Blue 2819	FLS	11%	3050 x 2030		40	30	•	•	•	•	•	•	•		
Blue 4814	FLS	12%	3050 x 2030		40	•	•	•	•	•	•	•	•		
Blue 4860	FLS	4%	3050 x 2030		40	•	•	•	•	•	•	•	•		
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions.															

■ = Lead-times subject to production.

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.

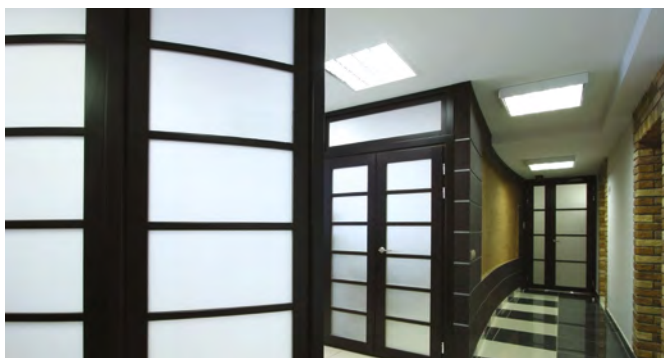


COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET											
				THICKNESS in mm											
CAST DESIGN					3	4	5	6	8	10	12	15	20	25	30
Arctic Mist 1000	ARD	89%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•
Iceland White 2008	ARD	91%	3050 x 2030		40	30	25	•	•	•	•	•	•	•	•
Antarctic white 2000	ARD	75%	3050 x 2030		40	30	25	20	15	10	•	•	•	•	•
Everglade Green 1512	ARD	93%	3050 x 2030		•	•	25	•	•	•	•	•	•	•	•
Evian Blue 1875	ARD	78%	3050 x 2030		•	•	25	•	•	•	•	•	•	•	•
Tahiti Blue 1809	ARD	35%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Cape Town yellow 1212	ARD	62%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Seville Orange 1307	ARD	47%	3050 x 2030		•	•	25	•	•	•	•	•	•	•	•
Bordeaux Red 1600	ARD	45%	3050 x 2030		•	•	25	•	•	•	•	•	•	•	•
China Rose 2614	ARD	48%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Bali Green 1549	ARD	9%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Havana Brown 1438	ARD	23%	3050 x 2030		•	•	25	•	•	•	•	•	•	•	•
Village Green 2512	MAT	44%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Nordic Blue 2811	MAT	50%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions.															

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET											
				THICKNESS in mm											
					3	4	5	6	8	10	12	15	20	25	30
CAST DESIGN															
Parma Violet 2701	MAT	55%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Petra Rose 2608	MAT	24%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
Mexican Orange 2305	MAT	43%	3050 x 2030		•	•	•	•	•	•	•	•	•	•	•
CAST DESIGN FLUO					3	4	5	6	8	10	12	15	20	25	30
Cypress Green 1571	ARD	81%	3050 x 2030		•	•	•	•	•	•	•	•	•		
Bavarian Green 1572	ARD	73%	3050 x 2030		•	•	•	•	•	•	•	•	•		
California Yellow 1271	ARD	75%	3050 x 2030		•	•	•	•	•	•	•	•	•		
Lisbon Orange 1371	ARD	62%	3050 x 2030		•	•	•	•	•	•	•	•	•		
Cancun Pink 1671	ARD	74%	3050 x 2030		•	•	•	•	•	•	•	•	•		
CAST NEON					3	4	5	6	8	10	12	15	20	25	30
Neon Yellow 1271	FLS		3050 x 2030		40	•	•	•	•	•	•	•	•		
Neon Orange 1371	FLS		3050 x 2030		40	•	•	•	•	•	•	•	•		
Neon Green 1571	FLS		3050 x 2030		40	•	•	•	•	•	•	•	•		
Neon Red 1641	FLS		3050 x 2030		40	•	•	•	•	•	•	•	•		
Neon Blue 1871	FLS		3050 x 2030		40	•	•	•	•	•	•	•	•		
CAST special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times, special price conditions and obligated purchase of off size dimensions.															

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.

CAST Design

Colour	Name	Ref.
	Arctic Mist 89% Light transmission (3mm)	1000
	Iceland White 91% Light transmission (3mm)	2008
	Antarctic White 75% Light transmission (3mm)	2000
	Everglade Green 93% Light transmission (3mm)	1512
	Evian Blue 78% Light transmission (3mm)	1875
	Tahiti Blue 35% Light transmission (3mm)	1809
	Cape Town Yellow 62% Light transmission (3mm)	1212
	Seville Orange 47% Light transmission (3mm)	1307
	Bordeaux Red 45% Light transmission (3mm)	1600
	China Rose 48% Light transmission (3mm)	2614

Colour	Name	Ref.
	Bali Green 9% Light transmission (3mm)	1549
	Havana Brown 23% Light transmission (3mm)	1438
	Village Green 44% Light transmission (3mm)	2512
	Nordic Blue 50% Light transmission (3mm)	2811
	Parma Violet 55% Light transmission (3mm)	2701
	Petra Rose 24% Light transmission (3mm)	2608
	Mexican Orange 43% Light transmission (3mm)	2305

Opagues

Colour	Name	Ref.
	White 5% Light transmission (3mm)	3014
	Black <1% Light transmission (3mm)	3945
	Blue <1% Light transmission (3mm)	3830
	Brown <1% Light transmission (3mm)	3420
	Grey <1% Light transmission (3mm)	3924
	Red <1% Light transmission (3mm)	3659

Opals

Colour	Name	Ref.
	Ice White 71% Light transmission (3mm)	2000
	White 41% Light transmission (3mm)	4000
	White 37% Light transmission (3mm)	4005
	White 52% Light transmission (3mm)	4018
	White 30% Light transmission (3mm)	4029

CAST Design Fluorescent

Colour	Name	Ref.
	Cypress Green 81% Light transmission (3mm)	1571
	Bavarian Green 73% Light transmission (3mm)	1572
	California Yellow 75% Light transmission (3mm)	1271

Colour	Name	Ref.
	Lisbon Orange 62% Light transmission (3mm)	1371
	Cancun Pink 74% Light transmission (3mm)	1671

Transparent/Ice/Opals

Colour	Name	Ref.
	Yellow 61% Light transmission (3mm)	1201
	Orange 40% Light transmission (3mm)	1303
	Brown 57% Light transmission (3mm)	1433
	Green 28% Light transmission (3mm)	1504
	Red 19% Light transmission (3mm)	1617
	Blue 22% Light transmission (3mm)	1819
	Blue 51% Light transmission (3mm)	1861
	Blue 72% Light transmission (3mm)	1875
	Grey 18% Light transmission (3mm)	1917

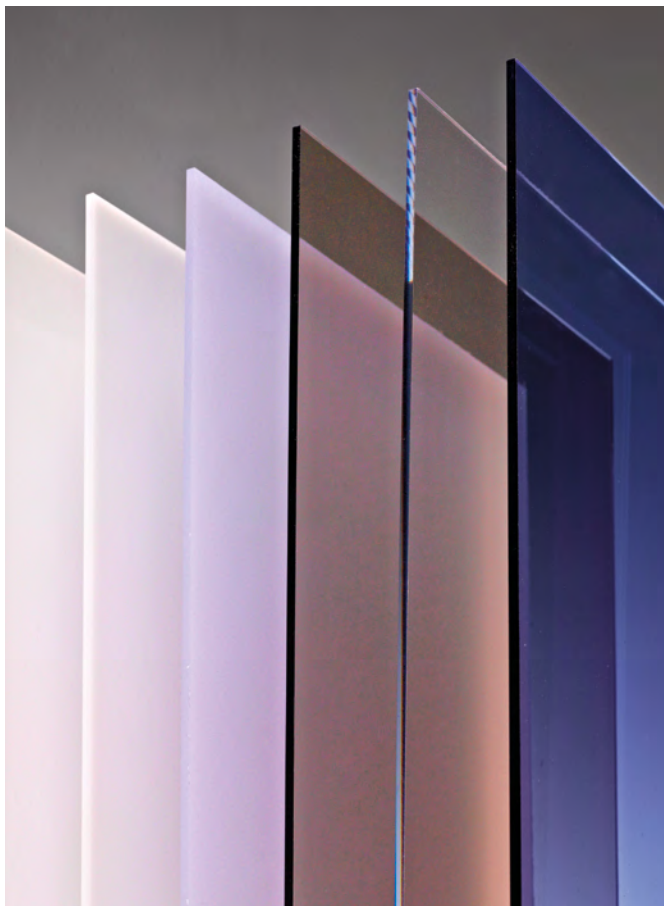
Colour	Name	Ref.
	Brown 26% Light transmission (3mm)	1923
	Grey 43% Light transmission (3mm)	1961
	Cream 17% Light transmission (3mm)	4108
	Yellow 22% Light transmission (3mm)	4201
	Yellow 21% Light transmission (3mm)	4203
	Yellow 22% Light transmission (3mm)	4218
	Orange 17% Light transmission (3mm)	4317
	Green 3% Light transmission (3mm)	4503
	Green 11% Light transmission (3mm)	4517

Colour	Name	Ref.
	Red 15% Light transmission (3mm)	4606
	Red 10% Light transmission (3mm)	4629
	Ice Blue 11% Light transmission (3mm)	2819
	Blue 4% Light transmission (3mm)	4860

Fluoedge

Name	Ref.
Banana Yellow 85.7% Light transmission (3mm)	1260
Fiery Orange 82.2% Light transmission (3mm)	1360
Shocking Pink 85.4% Light transmission (3mm)	1660
Lime Green 86.9% Light transmission (3mm)	1580
Electric Blue 83.5% Light transmission (3mm)	1860
Wildflower Violet 84.8% Light transmission (3mm)	1760





PRODUCT IDENTIFICATION

Polycasa PC is the brand name for extruded Polycarbonate sheet from **Polycasa** in accordance with ISO 11963 / DIN 16801.

The **Polycasa PC** programme offers solutions to both indoor and outdoor applications and for outdoor use we recommend **Polycasa PC UVP**, a material with 10 years weathering warranty.

As well as clear, standard opals and white, a variety of colours and designs are also available as a result of the extrusion process we can offer.



Did you know that **Polycasa PC** sheets are a very high impact product, very good to use for safety glazing systems. Sheets are tested according EN 12417 - machine guard glazing, make ideal sound barrier walls or as safety walls behind ice hockey goals. **Polycasa PC-SR** sheets are protected by a scratch resistant layer on both sheet surfaces.

CHARACTERISTICS

- Excellent optical properties and a brilliant surface.
- Easy to fabricate and shows exceptional performance at both low and high temperatures (from -40°C to +130°C).
- Excellent mechanical, thermal and electrical properties.
- Virtually unbreakable in normal use.
- Easy to vacuum form (pre-drying required).
- Normally inflammable - Building Regulations I Class B2 to DIN 4102, Part 1. (For gauges from 1.50 up to 6.00 mm Class B1 applies.)

APPLICATIONS

- Moulded containers, bowls and tubs.
- Machine safety guards, vending machine fascias.
- Vehicle and boat construction, aircraft (only for internal use).
- Safety glazing (sports centres, penal establishments and other buildings).
- Street and traffic signs.
- Office machinery (covers, sight panels).
- Industrial construction.
- Partition walls.
- Advertising panels.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
PC				0,8	1	1,5	2	3	4	5	6	8	10	12	15	20
Clear	Non UVP	86%	3050 x 2050			80	60	40	30	25	20	15	10	10	8	•
Clear	Non UVP	86%	2050 x 1250	•	150	200	150	100	70	60	50	40	30	•	•	•
White J801	Non UVP	5%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•
Opal J866	Non UVP	30%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•
Opal J846	Non UVP	27%	3050 x 2050			•	60	40	30	25	•	•	•	•	•	•
Opal J850	Non UVP	50%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•
Brown B851*	Non UVP	50%	3050 x 2050			•	•	40	30	25	20	15	•	•	•	•
PC PATTERNS				0,8	1	1,5	2	3	4	5	6	8	10	12	15	20
Haircell	Non UVP		2050 x 1250				•	•	•	•	•					
Impala	Non UVP		2050 x 1250					•	•	•	•					
Prismatic	Non UVP		2050 x 1250					•	•	•	•					
PC special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.																

• = Available in our product offer, but subject to special conditions.

LT = Light transmission figures apply to 3 mm sheet thickness only, unless indicated

Opal J866 = Light transmission of 37% for 2mm, 30% for 3mm, 24% for 4mm and 18% for 5mm thick sheets

Opal J846 = Light transmission of 37% for 2mm, 27% for 3mm, 23% for 4mm and 18% for 5mm thick sheets

Opal J850 = Light transmission of 60% for 2mm, 50% for 3mm, 40% for 4mm and 34% for 5mm thick sheets

Brown 851 = Light transmission of 50% is constant for all sheet thickness

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
PC UVP				0,8	1	1,5	2	3	4	5	6	8	10	12	15	20
Clear	UVP		3050 x 2050			•	60	40	30	25	20	15	10	10	•	•
Clear	UVP		2050 x 1250	•	•	•	150	100	70	60	50	•	•	•	•	•
White J801	UVP	5%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•
Opal J866	UVP	30%	3050 x 2050			•	•	40	30	•	•	•	•	•	•	•
Opal J846	UVP	27%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•
Opal J850	UVP	50%	3050 x 2050			•	•	40	30	•	•	•	•	•	•	•
Brown B851*	UVP	51%	3050 x 2050			•	•	•	30	•	20	•	•	•	•	•
PC PATTERNS				0,8	1	1,5	2	3	4	5	6	8	10	12	15	20
Haircell	UVP flat side		2050 x 1250				•	•	•	•	•					
Impala	UVP flat side		2050 x 1250					•	•	•	•					
Prismatic	UVP flat side		2050 x 1250					•	•	•	•					
PC special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.																

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Brown 851 = Light transmission of 50% is constant for all sheet thickness

Please contact us for all your special requirements.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET												
				THICKNESS in mm												
PC SCRATCH RESISTANT				1,5	2	2,5	3	4	5	6	8	10	12	15		
Clear	UVP+double-sided SR	86%	3000 x 2000		•		•	30	•	•	15	•	•	•		
PC SWIMMING POOL				1,5	2	2,5	3	4	5	6	8	10	12	15		
Clear	UVP	86%	Z		•		•	•	•	•						
Blue A803	UVP	82%	Z					•	•	•						
Bronze B803	UVP	64%	Z					•	•	•						
Green E803	UVP	82%	Z					•	•	•						
Z: Standard widths available 1050mm / 1250mm & 2100mm. Lengths 3m to 10m. Film application: Full width film to edges or standard gap from film to sheet length of maximum 35mm.																
PC special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.																

• = Available in our product offer, but subject to special conditions.
LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.





PRODUCT IDENTIFICATION

Polycasa SPC is the brand name for extruded multi-wall polycarbonate sheets.

It offers solutions to both indoor and outdoor applications, and is a lightweight sheet which is easy to transport, handle and install.

SPC sheets offer excellent aesthetic and optical properties. Standard colours are clear, opal and bronze.



▶ **SPC INSTALLATION VIDEO (ENG)**

▶ **ESP**

▶ **FRA**



Did you know that **Polycasa SPC** sheets can be used for roofing applications like conservatory roofing, bus stops, car ports or terraces. Sheets are easy to install, having very good thermal insulation and high impact properties.

CHARACTERISTICS

- High impact resistance.
- Weather resistant.
- High heat and sound insulation.
- Long life span.
- Excellent light transmission up to 86% (6/2w mm).
- Large dimensions.
- Excellent resistance to chemicals.
- Transparent.
- UV protection: co-extruded 1 side or 2 side.
- 10 year warranty.
- Excellent fire safety – EN 13501 standard (Euroclass).
- Temperature resistant: between -40°C +130°C.
- High resistance to mechanical loading.
- Light-weight.
- Easy to install using ordinary tools.
- Superb thermal insulation – saves energy.
- Computer checked colours and material properties.



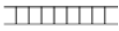
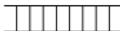
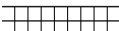
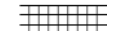
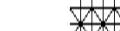
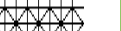
SPC PRODUCT RANGE														
COLOUR	LIGHT TRANSMISSION (16 3w)	SHEET WIDTH (mm)	SHEET LENGTH (mm) ¹	4 2w	6 2w	8 2w	8 4w	10 2w	10 4w ²	16 3w	16 5w	16 Dia	20 Dia	25 Dia
Clear 1090	73%	980	6000						•	30	•	30		•
			7000						•	30	•	30		•
		1200	6000							•		30		
			7000							•		30		
		2100	6000	70	70	50	•	50	50	30	•	30	30	20
			7000	70	70	50	•	50	50	30	•	30	30	20
Opal 38 2090	45%	980	6000							30		30		
			7000							30		30		
		2100	6000	70	70	50	•	50	50	30	•	30	30	•
			7000	•	•	•	•	50	50	30	•	30	30	•
Bronze 1990	25%	980	6000							•		•		
			7000							•		•		
		2100	6000		70	50		50		•		•		
			7000		•	•		•	•	•		•		

LEGEND

50	Standard Items available from stock
50	1 Side and 2 Side UV Standard Item available from stock
•	Available in our product offer, but subject to Manufacturing and Commercial Conditions
1	Standardlängen vorrätiger SPC-Platten sind 6.000 mm und 7.000 mm. Es sind auch Plattenlängen von 2.000 bis 7.000 mm lieferbar, allerdings zu besonderen Produktions- und Handelsbedingungen. Die übliche Mindestproduktionsmenge beträgt 500 kg pro Plattenlänge.
2	10mm 4w sheets are also available in 1050mm width, subject to Manufacturing and Commercial Conditions



TECHNICAL INFORMATION

		SPC 4 / 2 w	SPC 6 / 2 w	SPC 8 / 2 w	SPC 8 / 4 w	SPC 10 / 2 w	SPC 10 / 4 w
Design of the flutes							
Thickness	mm	4	6	8	8	10	10
	tolerance	+/- 0.5 mm					
Light transmission	clear sheet	86%	86%	81%	70%	74%	67%
U value	watts/(m².K)	3.9	3.5	3.2	2.8	3.0	2.5
Weight	g/m²	900	1300	1500	1500	1700	1700
	tolerance g/m²	+/- 45	+/- 65	+/- 75	+/- 75	+/- 85	+/- 85
Standard widths	mm	2100					980 / 1050 / 2100
	tolerance	-2 / + 6 mm					
Standard lengths¹	mm	6000 and 7000 mm					
	tolerance	-0 / + 0.40 % (24 - 28 mm)					
		SPC 16 / 3 w	SPC 16 / 5 w	SPC 16 Diamond	SPC 20 Diamond	SPC 25 Diamond	
Design of the flutes							
Thickness	mm	16	16	16	20	25	
	tolerance	+/- 0.5 mm					
Light transmission	clear sheet	73%	62%	60%	55%	50%	
U value	watts/(m².K)	2.3	2.0	1.8	1.7	1.5	
Weight	g/m²	2700	2500	2500	3000	3300	
	tolerance g/m²	+/- 135	+/- 125	+/- 125	+/- 150	+/- 165	
Standard widths	mm	980 / 1200 / 2100	980 / 2100	980 / 1200 / 2100	2100	980 / 2100	
	tolerance	-2 / + 6 mm					
Standard lengths¹	mm	6000 and 7000 mm					
	tolerance	-0 / + 0.40 % (24 - 28 mm)					

LEGEND

1	Standard sheet lengths of SPC stock range are 6000mm and 7000mm. Sheets are also available in lengths from 2000 to 7000mm, subject to Manufacturing and Commercial conditions. The typical minimum production quantity is 500kgs per sheet length.
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CERTIFICATIONS*



CSTB
le futur en construction



KPF Erkelenz tested

*Sheets are manufactured to EN 16153 :2013

FIRE PERFORMANCE POLYCASA SPC					
COLOUR	WEIGHT g/m ²	THICKNESS mm	RESULT	STANDARD	TEST INSTITUTE
Clear & Opal	900	4/2 w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 (2002) & NF EN 13823
Clear & Opal	900 – 1700	4/2w to 10/2w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 (2010) & NF EN 13823
Clear	1700	10/2 w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 & NF EN 13823
Opal	1700	10/4 w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 & NF EN 13823
Clear		10/4 w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 & NF EN 13823
Opal 3B		10/4 w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 & NF EN 13823
Clear	2100	16/3w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 (2010) & NF EN 13823
Clear	2400	16/3w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 & NF EN 13823
Clear & Opal	2700	16/3w	B-s1,d0	EN13501-1:2002	LNE NF EN ISO 11925-2 (2002) & NF EN 13823 (2002)
Clear	2500	16/5w	B-s1,d0	EN13501-1:2007	LNE NF EN ISO 11925-2 & NF EN 13823
Clear	2500	16 D Diamond	B-s1,d0	EN13501-1:2010	MFPA Leipzig GmbH DIN EN 13823 & DIN EN ISO 11925-2
Opal 3B	2500	16 D Diamond	C-S1-d0	EN13501-1:2010	MFPA Leipzig GmbH DIN EN 13823 & DIN EN ISO 11925-2
Opal 4B	2500	16 D Diamond	B-s1,d0	EN13501-1:2010	LNE NF EN ISO 11925-2 (2010) & NF EN 13823

Other closed edge widths may also be available subject to manufacturing and commercial conditions. Other country / region specific fire certifications have also been achieved. These are available on data sheets or upon request.

TECHNICAL APPROVALS

Avis Technique

Aprobata Techniczna

Allgemeine bauaufsichtliche Zulassung 4 – 10 mm

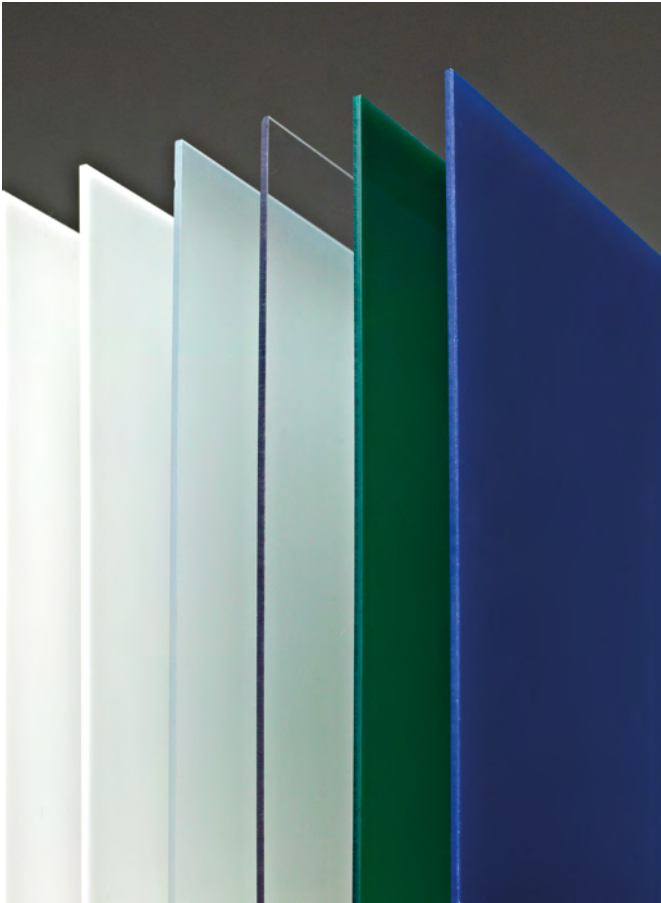
COUNTRY

France

Poland

Germany





PRODUCT IDENTIFICATION

Polycasa PETG is a tough, clear material that offers many solutions for both indoor and outdoor applications.

This extruded sheet offers possibilities for designers and fabricators, from simple shapes to the most complex designs (where it doesn't lose any of its toughness). PETG is easy to mould, and does not require predrying before use (in contrast to other common materials), which reduces processing costs and time required.

Plus, the high impact performance allows use of a thinner gauge sheet than with other common materials – another way of lowering material costs.



Did you know that Polycasa PETG sheets are excellent for warm forming application with the biggest advantage being no pre-drying, ideal for sheets used for thermoformed bicycle safety helmets or boxes where food contact is required.

CHARACTERISTICS

- Good optical properties.
- Brilliant surface.
- Easy to fabricate.
- Its biggest advantage compared to other plastics is in vacuum forming.
- Exceptional low temperature performance.
- Very good chemical resistance.
- Very high impact properties.
- Low water absorption.
- Easy to recycle.

APPLICATIONS

- Bus shelters.
- Poster glazing.
- Machine guards.
- Medical appliance packaging.
- Displays & signs for external use.
- Refrigerators and cold storeroom equipment.
- Bicycle safety helmets.
- Food containers.
- Lenticular lenses.
- Graphic arts.
- Lighting controllers for hazardous areas.
- Motorcycle windshields.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET													
				THICKNESS in mm													
PETG				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15	20
Clear	Non UVP	87%	3050 x 2050	130	110	80	60	•	40	30	25	20	15	10	•	•	•
			2050 x 1250	200	150	200	150	•	100	70	60	50	•	•	•	•	•
			2500 x 1250		•	•	•	•	•	•							
Opal J701		5%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•	
Opal J705		15%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•	
Opal J704		30%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•	
Opal J708		70%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•	
Anti-reflex (2 side)			2050 x 1250	•	150	200	150	•	•								
PETG PATTERNS				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15	20
Haircell	Non UVP		2050 x 1250			•	•	•	•	•	•						
Impala			2050 x 1250					•	•	•	•						
Prismatic			2050 x 1250					•	•	•	•						
PETG UVP				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15	20
Clear	UVP	87%	3050 x 2050			•	60	•	40	30	25	20	15	10	•	•	•
Clear			2050 x 1250	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Opal J701		5%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•	•
Opal J705		15%	3050 x 2050			•	•	•	40	30	•	•	•	•	•	•	•
Opal J704		30%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•	•
Opal J708		70%	3050 x 2050			•	•	•	•	•	•	•	•	•	•	•	•
PETG UVP PATTERNS				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15	20
Haircell	UVP flat side		2050 x 1250			•	•	•	•	•	•	•					
Impala	UVP flat side		2050 x 1250						•	•	•	•					
Prismatic	UVP flat side		2050 x 1250						•	•	•	•					
COLOUR	FEATURES	LT	SIZE mm	THICKNESS in mm													
Clear	Non UVP	87%	1000 x 800	0,5		•											

• = Available in our product offer, but subject to special conditions. LT = Light transmission figures apply to 3 mm sheet thickness only.

POLYCASA PETG special colours (subject to special conditions)

Polycasa offer special masking for thermoforming applications subject to special conditions

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PRODUCT IDENTIFICATION

Polycasa APET is a premium quality amorphous polyethylene terephthalate and the best choice for flat and arched applications.

Polycasa APET shows extremely good printability with UV curing inks and is fire rated - "difficult-to-ignite" as well as approved for direct food contact. Moreover, it is extremely impact resistant and shows excellent outdoor durability.



Did you know that Polycasa APET sheets offer a unique combination of excellent properties and occupy an unrivalled ecological position amongst fully transparent and translucent sheet materials

CHARACTERISTICS

- 100% recyclable within its own waste category
- Tough and hard with high impact strength also at sub-zero temperatures down to -20°C
- Impeccable optical properties with a light transmission of nearly 90% for non-tinted types
- Good outdoor durability up to 4 years even for standard types
- Approved by FDA/BGA for direct contact with foodstuff and medical applications
- Flame retardant rated "difficult-to-ignite"
- Very high chemical resistance against cleaning agents, mineral oils, solvents
- Easy and fast to convert
- Good printability thanks to optimal adhesion of UV curing inks

APPLICATIONS

- Flexible poster covers
- Printed translucent signs
- Small to medium sized displays
- Slatwall magazine racks
- Cold food storage elements
- Protective glazing for machinery



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET													
				THICKNESS in mm													
APET				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15	20
Clear	Non UVP	90%	2050 x 1250	260	250	170	125	•	85	•	•	•					
Clear		90%	2500 x 1250	•	•	•	•	•	70	•	40	•					
Clear		90%	3050 x 2050	130	100	70	50	•	35	25	20	15					
Anti-reflect (1 side)			2050 x 1250	260	250	170	125	•	•								
Anti-reflect (1 side)			2500 x 1250	•	•	•	•	•	•								
Anti-reflect (1 side)			3050 x 2050	130	100	70	50	•	•								
Opal		30%	2050 x 1250	•	250	170	125	•	•	•	•	•					
Opal		30%	2500 x 1250	•	•	•	•	•	•	•	•	•					
Opal		30%	3050 x 2050	•	100	70	50	•	35	•	•	•					
APET UVP				0,8	1	1,5	2	2,5	3	4	5	6	8	10	12	15	20
Clear	UVP	90%	2050 x 1250		•	•	•	•	•	•	•	•					
Clear		90%	2500 x 1250		•	•	•	•	•	•	•	•					
Clear		90%	3050 x 2050		•	•	•	•	•	•	•	•					
Opal		30%	2050 x 1250		•	•	•	•	•	•	•	•					
Opal		30%	2500 x 1250		•	•	•	•	•	•	•	•					
Opal		30%	3050 x 2050		•	•	•	•	•	•	•	•					

• = Available in our product offer, but subject to special conditions. LT = Light transmission figures apply to 3 mm sheet thickness only.

POLYCASA APET special colours (subject to special conditions)

Polycasa offer special masking for thermoforming applications subject to special conditions

Other thicknesses, colours can be produced to order, but are subjected to special conditions, such as:

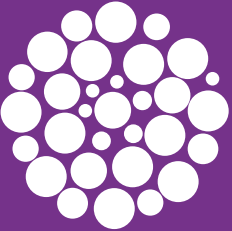
- Minimum order quantities - Production lead-times - price surcharge

Please contact us for all your special requirements

Production, logistics and sales organisation: Polycasa APET is produced, delivered and invoiced directly by our fellow 3A Composites group plant operated by Foamalite Ltd in Ireland.

Deliveries of Polycasa APET are not combined with deliveries of other Polycasa products.

Your regular Polycasa external and internal sales teams provide full support for all your inquiries and orders for Polycasa APET.



LENTICULAR



PRODUCT IDENTIFICATION

Polycasa LENTICULAR sets your product apart in a highly visual marketplace by bringing images alive.

This dynamic technology leads to unique opportunities to create dramatic multi-imaging visual effects including displaying before and after images; making a logo or product jump out of the page; showing animation or action video sequences; adding 3D to a graphic or to typography; and morphing one image into a completely different one.

Polycasa LENTICULAR comes in a range of three grades, with LPIs ranging from 60LPI, 75LPI and 100LPI, making it suitable for all kinds of standard and special format applications.

It's ideal for the promotional, packaging and point of purchase display industries.



Did you know that **Polycasa Lenticular** brings images alive, it allows advertisers to put their message into motion. Stunning special effects to catch the viewer's attention, real 3D pictures, animations of flying birds, morphing and zooming. **Polycasa Lenticular** sheets have excellent ink adhesion.

CHARACTERISTICS

- Brilliant clarity.
- Excellent ink adhesion.
- Stable sheet dimensions.
- High-impact strength.
- Good chemical resistance.
- Environmentally safe.
- Recyclable.
- Meets current food contact legislation.

APPLICATIONS

- Advertisements.
- Brochures and flyers.
- Displays and posters.
- Packaging.
- Business cards.
- Covers for CDs, DVDs and books.
- Promotional gifts.

SPECIAL EFFECTS

- Real 3D.
- Animation.
- Zoom.
- Flip.
- Morphing.



LENTICULAR

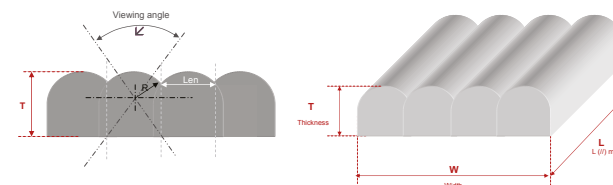
Grade	60LPI	60LPI-3D	75LPI	100LPI
Lenses per inch (LPI)	60	60	75	100
Thickness, T (mm)	0.508	0.685	0.465	0.355
Viewing angle	54°	40°	49°	42°
Width of lenticule, Len (mm)	0.423	0.423	0.337	0.252
Sheet size (mm)*	510 (//) x 710 710 (//) x 510	510 (//) x 710 710 (//) x 510	510 (//) x 710 710 (//) x 510	510 (//) x 710 710 (//) x 510
Max. sheet size (mm)	1000 (//) x 760	1000 (//) x 760	1000 (//) x 760	1000 (//) x 760
Min. sheet size (mm)	480 (//) x 500	480 (//) x 500	480 (//) x 500	480 (//) x 500
No. of sheets/pallet	1000	750	1000	1500

*Other sheet sizes on request. Please note: L (//) x W (//) = Length = parallel lenses).

TECHNICAL INFO

Properties	Method	Unit	Lenticular
Rockwell hardness	D-785	R scale	105
Light transmission	5036	%	88
Tensile modulus	53455	MPa	2200
Density		g/cm ³	1.27

Values are based on measurements taken on 3 mm flat PETG SPECTAR™ sheet.







PRODUCT IDENTIFICATION

PS is the brand name for **Polycasa's** extruded Crystal Polystyrene sheets, offering solutions for many indoor applications.

As well as clear, anti-reflex and standard opal white, a variety of colours and designs are also available as a result of the extrusion process **Polycasa** can offer.



Polycasa PS is available in more than 50 different patterns and textures.

CHARACTERISTICS

- Good optical properties and a brilliant surface.
- High light transmission (min 88% wavelength: 500 nm, thickness 3 mm).
- Good value.
- Low density (1.05).
- Good chemical resistance and high rigidity.
- UV-stabilised – remains colour constant for many years when used indoors. (On special request **Polycasa PS** sheets can be produced without UV-stabilisation. They then meet all current food contact legislation and can be used in contact with foodstuffs.)
- Possibility of corona treatment - process to increase surface tension. (The result after corona treatment is a surface that is unchanged to the naked eye, but in fact is much more receptive to inks, coatings, and adhesives.)
- Excellent transparency.
- Good surface hardness.
- Good recyclability.
- Low water absorption.

APPLICATIONS

- Picture frames.
- Shower cabin doors (flat and curved).
- Indoor glazing.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET									
				THICKNESS in mm									
PS				0,85	1	1,2	1,5	2	2,5	3	4	4,75	5
Clear	UV stabilised for indoor use	89%	3050 x 2050				80	70	60	50	35	30	•
			2000 x 1000				•	100	100	100	100	50	•
			2150 x 1250	•	200	150							
Clear	Anti-Reflex (1 side)		2150 x 1250		150	•	125	100					
Opal J503		17%	3050 x 2050					75	60	50	•	•	•
PS patterns (subject to special conditions): Alfa, Aqua, Bella, Birds, Bottle, Carre, Cirrus, Confetti, Cork, Cosmos, Damp, Diamond, Dublin, Erica, Gotas, Guss Antic, Hammered, Hundertwasser, Impala, Lines, Lissabon, Manta, Pearls, Sanitec splash, Santro, Sierra, Slant, Splash, Stripes, Rain, Tonga, Vienna, Water, Water transparent, Weaves and Yvon. Maximum width varies (typical 1000 mm). Maximum length varies (typical 2000 mm).													
PS prismatic (subject to special conditions): H2R, H2S, K2R, K2S, K9R and K9S. Maximum width varies (typical 1000 mm). Maximum length varies (typical 2000 mm).													
PS special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.													

• = Available in our product offer, but subject to special conditions.

LT = Light transmission figures apply to 3 mm sheet thickness only.

All physical properties given are not guaranteed values, but typical representative values.

Please contact us for all your special requirements.





PRODUCT IDENTIFICATION

Polycasa HIPS is a polystyrene sheet modified by the addition of rubber that has improved impact strength and is easy to mould and cut to size.

The product is available with either a matt finish on both sides or a matt finish on one side, and glossy surface on the other. The standard colour is white, but a range of other colours is available, in addition to colour-matching to order.

We can also deliver sheet for special applications. These include, but are not limited to:

- UV treatment: improved colour stability and impact resistance.
- Environmental Stress Cracking Resistance (ESCR).
- Freon resistant grades for the refrigeration industry.
- Corona treatment: process to increase surface tension.



Polycasa HIPS is perfect for applications where the temperature falls below 0°C.

CHARACTERISTICS

- Superior surface quality.
- Excellent low temperature impact performance.
- Suitable for thermoforming.
- Smooth surface with a choice of finish: matt or glossy.
- Excellent for printing.
- Outstanding electrical insulation properties.
- Food contact approved – non UV version.
- Meets fire safety standard – UL standard 94HB.

APPLICATIONS

- Refrigerator liners.
- Sanitary ware.
- Bath panels.
- Shower wall panels.
- Vacuum formed parts.
- Screen printing substrate.
- Point of sale display units.
- Mobile home and caravan fittings.



COLOUR	FEATURES	SIZE mm	SHEETS PER PALLET									
			THICKNESS in mm									
HIPS FLAT MATT / GLOSS			1,5	2	3	4	5	6				
Black I511	Matt/Gloss	3050 x 2050	•	70	50	•	•	•				
White J511	Matt/Gloss	3050 x 2050	•	70	50	•	•	•				
Grey D505	Matt/Gloss	3050 x 2050	•	70	50	•	•	•				
HIPS FLAT MATT / MATT			0,5	1	1,5	2	3	4	5	6	8	10
White J511	Matt/Matt	3050 x 2050			•	70	50	•	•	•		
		2000 x 1000	•	400	•	•	•	•	•	•	•	•
Black I511	Matt/Matt	3050 x 2050			•	70	50	•	•	•		
		2000 x 1000	•	•	•	•	•	•	•	•	•	•
HIPS ESCR					•	•	•	•	•	•		
HIPS special conditions: Other thicknesses, colours and patterns can be produced to order, but are subject to special conditions, such as: minimum order quantities, production lead times and price surcharge.												

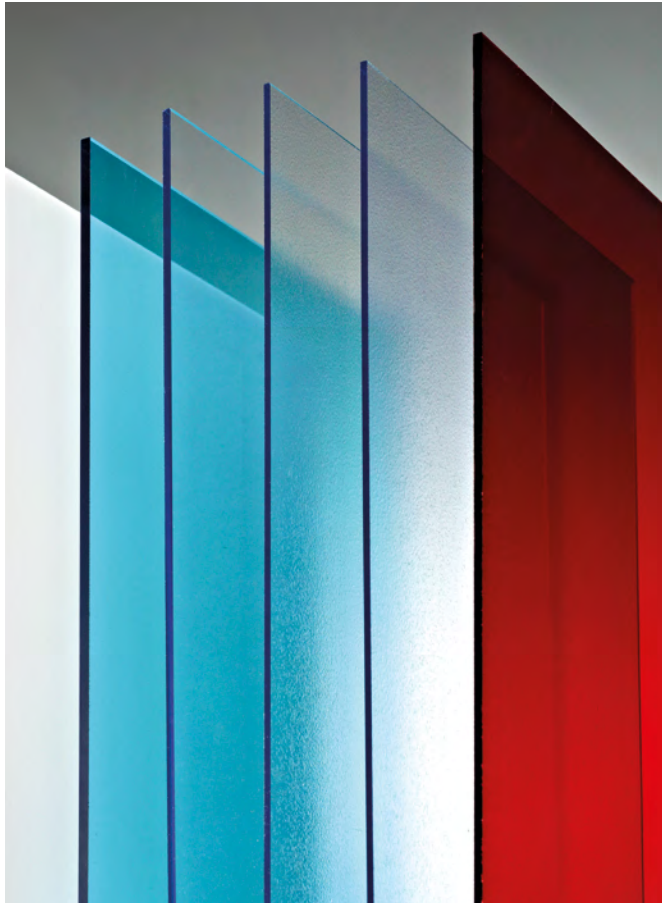
Product with number of sheets on the pallet is available on stock.

• = Available in our product offer, but subject to special conditions.

All physical properties given are not guaranteed values, but typical representative values.

Please contact us for all your special requirements.





PRODUCT IDENTIFICATION

Polycasa SAN is the trade name for extruded Styrene Acrylonitrile (**SAN**) copolymer sheets from **Polycasa**.

The **SAN** programme offers solutions to both indoor and outdoor applications. (For external use, **Polycasa SAN UVP**, incorporating UV protection should be used.)

As a result of the extrusion and lamination process, **Polycasa** can offer a variety of designs, as well as the glass clear version.

The almost unlimited application possibilities of **Polycasa SAN** offer the industry new opportunities in order to stimulate creativity.



Polycasa SAN is unique in the world with its sandwich co-ex structure, which brings extraordinary UV resistance.

CHARACTERISTICS

- Good optical properties and a brilliant surface.
- Easy to handle and vacuum form.
- Very good dimensional stability.
- Very good chemical resistance: to most fats, dilute acid solutions, oils and common bleaching agents, as well as some solvents and weak alkaline solutions.
- Can be used in - and outdoor (in UVP version) and are resistant to temperature fluctuations.
- Can be used in contact with foodstuffs (non UV version).

APPLICATIONS

- Industrial (door) glazing.
- Covers for foodstuffs.
- Covers for office equipment.
- Screen printing.
- Advertising signs.
- Fittings for shops and exhibitions.
- Displays.
- Flat or curved shower screens.
- Greenhouse glazing.
- Room dividers.



COLOUR	FEATURES	LT	SIZE mm	SHEETS PER PALLET								
				THICKNESS in mm								
SAN UVP				1	1,5	2	2,5	3	4	5	6	
Clear	UVP	89%	2150 x 1250	•								
Clear	UVP	89%	3050 x 2050		75	70	50	40	35	25	20	
Clear	UVP+	89%	3050 x 2050		•	•	•	•	•	•	•	
Opal J505	UVP	20%	3050 x 2050		•	70	•	40	35	•	•	
SAN					1,5	2	2,5	3	4	5	6	
Clear	NON UVP	89%	3050 x 2050		•	•	•	•	•	•	•	
SAN colours (subject to special conditions): Black I501, White J516, Smoke grey D508 and Warm bronze B517.												
SAN patterns (subject to special conditions): FLAT + R, Manta, FLAT + Q, Impala, Maximum width varies (typical 1000 mm). Maximum length varies (typical 2000 mm).												
SAN special conditions: Other thicknesses, colours and patterns can be produced to order, but are subjected to special conditions, such as: minimum order quantities, production lead-times and price surcharge.												

• = Non standard references available in our product offer but subject to special conditions and minimum quantities.

LT = Light transmission figures apply to 3mm sheet thickness only.

Please contact us for all your special requirements.

PHYSICAL PROPERTIES

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PROPERTY	TEST METHOD	UNIT	XT	XT610	XT620	XT630	CAST
GENERAL							
Density	ISO 1183	g/cm ³	1.19	1.15	1.16	1.17	1.19
Rockwell hardness	ASTM D785	R-scale					
		M-scale	92	40			105
OPTICAL							
Light transmission	DIN 5036	%	92	90	91	91	93
Refractive index	ISO 489		1.492	1.492	1.492	1.492	1.492
MECHANICAL							
Flexural modulus	ISO 178	MPa	3300	1800	2100	2400	3200
Flexural strength	ISO 178	MPa	115	65	85	90	120
Tensile modulus	ISO 527	MPa	3200	1700	2100	2400	3400
Tensile strength	ISO 527	MPa	70	40	50	55	75
Elongation	ISO 527	%	4	35	15	25	6
IMPACT STRENGTH							
Izod notched	ISO 180	kJ/m ²					
Charpy Notched	ISO 179	kJ/m ²	2	5	4	3	2
Charpy unnotched	ISO 179	kJ/m ²	17	60	35	25	17
THERMAL							
Vicat temperature (B)	ISO 306	°C	105	98	102	104	110
HDT A/B	ISO R75	°C	97/101				105
Specific heat capacity	ASTM D2766	J/gK	1.47	1.5	1.5	1.5	1.47
Coefficient of linear expansion	DIN 53752	K ⁻¹ x 10 ⁻⁵	7	11	10	9	7
Thermal conductivity	DIN 52612	W/mK	0.18	0.18	0.18	0.18	0.19
Degradation temperature		°C	>280	>280	>280	>280	>280
Max service temperature		°C	70(L)-90(S)	65(L)-75(S)	65(L)-75(S)	65(L)-75(S)	80(L)-90(S)
ELECTRICAL							
Dielectric constant (100Hz)	DIN 53483		3.7				3.6
Volume resistivity	DIN 53482	Ω.cm	10 ¹⁵				10 ¹⁵
Surface resistivity	DIN 53482	Ω	10 ¹⁴				10 ¹⁴
Dielectric strength	DIN 53481	kV/mm	30	30	30	30	30
Dissipation factor (50Hz)	DIN 53483		0.06				0.06

■ = Values in ITALIC are results of an other, but similar test method.

- NB = No Breakage

- (L) = long term use, (S) = short term use

* Depending on sheet thickness

Note: These technical data of our products are typical values, but not guaranteed ones. The actually measured values are subject to production variations.

Please contact us for all your special requirements.

PHYSICAL PROPERTIES

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PROPERTY	TEST METHOD	UNIT	PC	SPC	PETG & LENTICULAR	APET
GENERAL						
Density	ISO 1183	g/cm ³	1.2	1.2	1.27	1.33
Rockwell hardness	ASTM D785	R-scale			105	50
		M-scale				
OPTICAL						
Light transmission	DIN 5036	%	86	84	88	>86
Refractive index	ISO 489		1.585	1.492	1.57	
MECHANICAL						
Flexural modulus	ISO 178	MPa		2200	2075	2500
Flexural strength	ISO 178	MPa	>95		70	
Tensile modulus	ISO 527	MPa	2200		2200	
Tensile strength	ISO 527	MPa	60	60	50	>55
Elongation	ISO 527	%	80	95	54	
IMPACT STRENGTH						
Izod notched	ISO 180	kJ/m ²			11.5	
Charpy Notched	ISO 179	kJ/m ²	>40	5	10	
Charpy unnotched	ISO 179	kJ/m ²	NB	60	NB	NB
THERMAL						
Vicat temperature (B)	ISO 306	°C	145	98	82	
HDT A/B	ISO R75	°C	135		72/68	
Specific heat capacity	ASTM D2766	J/gK	1.17	1.5	1.1	
Coefficient of linear expansion	DIN 53752	K ⁻¹ x 10 ⁻⁵	6.5	11	6.8	5.0
Thermal conductivity	DIN 52612	W/mK	0.2	0.18	0.2	
Degradation temperature		°C	>280	>280	>280	
Max service temperature		°C	115(L)-130(S)	65(L)-75(S)	70	65
ELECTRICAL						
Dielectric constant (100Hz)	DIN 53483		3.0		2.6	
Volume resistivity	DIN 53482	Ω.cm	10 ¹⁵		10 ¹⁵	
Surface resistivity	DIN 53482	Ω	10 ¹⁵		10 ¹⁵	
Dielectric strength	DIN 53481	kV/mm	>30		16	
Dissipation factor (50Hz)	DIN 53483		8x10 ⁻⁴		0.01	

■ = Values in ITALIC are results of an other, but similar test method.

- NB = No Breakage

- (L) = long term use, (S) = short term use

* Depending on sheet thickness

APET surface hardness measured to ISO 868

Surface Hardness reported in Shore D units

Note: These technical data of our products are typical values, but not guaranteed ones. The actually measured values are subject to production variations.

Please contact us for all your special requirements.

PHYSICAL PROPERTIES

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PROPERTY	TEST METHOD	UNIT	PS	SAN	HIPS MATT/MATT	HIPS MATT/GLOSS
GENERAL						
Density	ISO 1183	g/cm ³	1.05	1.08	1.05	1.05
Rockwell hardness	ASTM D785	R-scale	76	>120		
		M-scale		84		
OPTICAL						
Light transmission	DIN 5036	%	90	88	-	-
Refractive index	ISO 489		1.59	1.57	-	-
MECHANICAL						
Flexural modulus	ISO 178	MPa	3200	3700	1800	1850
Flexural strength	ISO 178	MPa	100	120	32	34
Tensile modulus	ISO 527	MPa	3100		1670	1730
Tensile strength	ISO 527	MPa	50	70	20	24
Elongation	ISO 527	%	3	3	42	2.9
IMPACT STRENGTH						
Izod notched	ISO 180	kJ/m ²	2	1.3		
Charpy Notched	ISO 179	kJ/m ²			10	6(9)
Charpy unnotched	ISO 179	kJ/m ²	6	13		
THERMAL						
Vicat temperature (B)	ISO 306	°C	>98	101	91	92
HDT A/B	ISO R75	°C	86/98	98/101	84/-	82/-
Specific heat capacity	ASTM D2766	J/gK	1.8	1.38		
Coefficient of linear expansion	DIN 53752	K ⁻¹ x 10 ⁻⁵	8	5	5.5	5
Thermal conductivity	DIN 52612	W/mK	0.17	0.17		
Degradation temperature		°C	>280	>280	>280	>280
Max service temperature		°C	80	90	70	70
ELECTRICAL						
Dielectric constant (100Hz)	DIN 53483		2.5		2.5	2.5
Volume resistivity	DIN 53482	Ω.cm	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶
Surface resistivity	DIN 53482	Ω	10 ¹⁴	10 ¹⁵	10 ¹⁶	10 ¹⁶
Dielectric strength	DIN 53481	kV/mm	20	18	155	155
Dissipation factor (50Hz)	DIN 53483		9x10 ⁻⁵	1x10 ⁻⁴	10 ⁻⁴	10 ¹⁶

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- (L) = long term use, (S) = short term use

* Depending on sheet thickness

Note: These technical data of our products are typical values, but not guaranteed ones. The actually measured values are subject to production variations.

Please contact us for all your special requirements.

ACCREDITATIONS

Fire, Light Domes, Safety Glazing

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FIRE					LIGHT DOMES				SAFETY GLAZING			
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE
XT	clear	EN 13501-1 DIN53436 non toxic gases	1.5mm – 25mm	DE/EN	clear	EN 1873	1.5mm – 4mm	EN/FR	CLEAR	EN12600	15mm; 20mm	
XT Opal	opal	EN 13501-1	2mm – 6mm	DE/EN	opal024	EN 1873	1.5mm – 4mm	EN/FR				
XT High Impact + XT	all colours	UL 94 HB	all	EN								
XT Soft Tone												
XT SBW FlySafe	clear	EN 1794-2	15mm – 25mm	EN/DE								
XT SBW	clear	EN 1794-2	15mm – 25mm	EN/DE								
XT SBW Soft Tone	clear	EN 1794-2	15mm – 25mm	EN/DE								

PRODUCT	STANDARD	THICKNESS	LANGUAGE
FIRE			
CAST clear	EN 13501-1	2-30mm	DE/EN
CAST all colours and patterns	EN 13501-1	3-30mm	ES/EN
CAST all colours and patterns	UL 94HB	all	EN
LIGHT DOMES			
CAST clear	EN 410	4mm	EN
OTHERS			
CAST SWS	EN 263	4mm	EN/ES
CAST Anti-bacteria	EN 263	6mm	EN/ES

ACCREDITATIONS

Fire, Light Domes, Safety Glazing

FIRE					LIGHT DOMES				SAFETY GLAZING			
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE
PC non UVP = PC	clear	EN 13501-1 / DIN 4102-1	1.5mm – 6mm	DE/EN					clear	EN 12415; EN12417; DIN 18036 ice hockey boards	6mm, 8mm, 10mm	DE+EN
PC UVP	clear	EN 13501-1 / DIN 4102-1	1.5mm – 6mm	DE/EN	clear	EN 1873	2mm – 5mm	EN / FR				
PC Brown	brown	DIN 4102-1	3mm – 6mm	DE/EN								
PC Opal	opal	DIN 4102-1	3mm – 5mm	DE/EN	opal J850		2mm – 4mm	EN / FR				
PC Crystal	clear	DIN 4102-1	3mm – 4mm	DE/EN								
PC SBW	clear	EN 1794-2	15mm – 20mm	DE/EN								
PC SBW SR	clear	EN 1794-2	15mm – 20mm	DE/EN								
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE
SPC	clear - opal	EN13501-1	4mm – 16mm	FR+EN								
SPC Diamond	clear - opal	EN13501-1	16mm – 50mm	FR+EN								
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE
PETG	clear	DIN 4102-1	0.8mm – 12mm	DE/EN/FR					clear	EN 12415; EN12417; DIN 18036 ice hockey board 8, 10mm	6mm, 8mm, 10mm	DE+EN
PETG coloured	opal, blue, brown, bluish grey, anthracite	DIN 4102-1	0.8mm – 8mm	DE/EN/FR								
PETG UVP = Spectar UV sheet	clear	DIN 4102-1	1mm – 10 mm	DE/EN/FR	clear	EN 1873	2mm – 4mm	EN/FR				
PETG UVP coloured	opal, blue, brown, bluish grey, anthracite	DIN 4102-1	1mm – 8mm	DE/EN/FR	opal J850	EN 1873	2mm – 4 mm	EN/FR				
PETG Soft Tone	light opal	DIN 4102-1	1.5mm – 6mm	DE/EN/FR								
PETG AR	light opal	DIN 4102-1	1mm	DE/EN/FR								
APET	clear	EN 13 501-1	0.8mm – 6mm	EN								

ACCREDITATIONS

Fire, Light Domes, Safety Glazing

FIRE					LIGHT DOMES				SAFETY GLAZING			
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE
PS	all colours	EN 13501-1	2mm – 4.6mm	EN/SK								
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE
SAN	clear	EN 13501-1	2mm – 6mm	DE/EN	clear	EN 1873	2mm – 3mm	EN/FR	clear	EN12600	1.9mm, 6mm	DE
SAN opal	opal	EN 13501-1	1.6mm – 6mm	DE/EN	opal	EN 1873	1.6mm – 6mm	EN/FR				
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE
HIPS	clear, opaque	EN 13501-1	2mm – 10mm	EN/SK								
PRODUCT	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE

ACCREDITATIONS

Solar Transmittance, Others & SBW

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SOLAR TRANSMITTANCE - EN410				OTHERS				SBW			
PRODUCT	COLOUR	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARDS	THICKNESS	LANGUAGE
XT	clear	2mm, 2.5mm, 3mm, 15mm	EN								
XT Opal	opal 024	3mm	EN								
XT High Impact + XT				XTHI 630	BS AU 145D	3.1mm	EN				
XT Soft Tone											
XT SBW FlySafe								all colours	ONR 191040 Bird Guard EN1794-1 mechanical, EN1793-2 noise reduction	15mm – 25 mm	DE/EN
XT SBW											
XT SBW Soft Tone											
PRODUCT	COLOUR	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARDS	THICKNESS	LANGUAGE
CAST	clear	4mm	EN/CZ	opaque	EN263 (sanitary)	4mm	EN/ES				
CAST Anti-bacteria											
CAST ARGENTA											
CAST BEAUTE											
CAST DESIGN											
CAST DESIGN BLOCKS											
CAST LUMINA											
CAST NEON											
CAST OPTIMA											
CAST VISION											

ACCREDITATIONS

Solar Transmittance, Others & SBW

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SOLAR TRANSMITTANCE - EN410				OTHERS				SBW			
PRODUCT	COLOUR	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARDS	THICKNESS	LANGUAGE
PC non UVP = PC				clear	Type Approval automotive glazing	2mm – 6mm	DE	clear	EN1794-1 mechanical, EN1793-2 noise reduction	15mm – 20mm	EN/PL
PC UVP	clear	3mm, 10mm	EN								
PC Brown				brown	Type Approval automotive glazing	3 - 8mm	DE				
PC Opal	UVP opal J850	3mm	EN								
PC Crystal											
PC SBW								clear	EN1794-1 - EN1794-2B mechanical resistance, EN 1793-1 noise reduction	15mm – 20mm	DE/EN
PC SBW SR								clear	EN1794-1 - EN1794-2B mechanical resistance, EN 1793-1 noise reduction	15mm – 20mm	DE/EN
PRODUCT	COLOUR	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARDS	THICKNESS	LANGUAGE
SPC	clear	25mm	DE/EN	clear	ISO 16000 (COV-VOC)	all	FR				
SPC Diamond	clear, opal	16mm, 25mm	DE/EN	clear							

ACCREDITATIONS

Solar Transmittance, Others & SBW

SOLAR TRANSMITTANCE - EN410				OTHERS				SBW			
PRODUCT	COLOUR	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARDS	THICKNESS	LANGUAGE
PETG											
PETG coloured											
PETG UVP = Spectar UV sheet	clear	3mm, 10mm	EN								
PETG UVP coloured	opal J708	3mm	EN								
PETG Soft Tone											
PETG AR											
PRODUCT	COLOUR	THICKNESS	LANGUAGE	COLOUR	STANDARD	THICKNESS	LANGUAGE	COLOUR	STANDARDS	THICKNESS	LANGUAGE
SAN	clear	1.6mm, 2mm, 2.5mm, 3mm	DE, EN, CZ								