Remarks

- Tolerance of dimensions and thickness are in accordance with ISO standards.
- All sheets are covered with a protective polyethylene film on both sides.
- Embossed sheets are protected only on one side.
- Before moulding sheets must be pre-dryed.
- The information and recommendations in this publication are, to the best of our knowledge, reliable. Users should perform their own tests to determine the suitability of these products for their own particular purposes.

Properties of Plazcarb Polycarbonate Sheets

General Properties	Test Method	Units	Values
Density	ISO 1183	g/cm³	1.2
Light transmission	ASTM D 1003	%	88-90
Refractive index	ASTM D 542		1.585
Mechanical Properties			
Tensile Modulus	ISO 527	MPa	2300
Tensile Strength at yield	ISO 527	MPa	>60
Elongation at break	ISO 527	%	>120
Elongation at yield	ISO 527	%	6
Flexural Modulus	ISO 178	MPa	2300
Rockwell hardness	ASTM D 785	M-scale	70
Izod Impact notched 3.2 mm	ISO 180	KJ/m²	65
Thermal Properties			
Temp of deflection under load	ISO 75-1	°C	127
Coefficient of linear thermal expansion 0-50°C	ISO 11359	1/°C	7E-5
Vicat softening temp (50N)	ISO 306	°C	144

Flame Resistance of Plazcarb Polycarbonate Sheets

F-Grade

Country	Thickness(mm)	Test Method	Classification
UK	3	BS476/7	Class IY
France	2-12	NF 92-507	Class M2
Germany	3	DIN4102	Class B1
USA	3-12	UL-94	VO

Standard Grade

Country	Thickness(mm)	Test Method	Classification
USA	3-12	UL-94	HB

PLAZIT 2001

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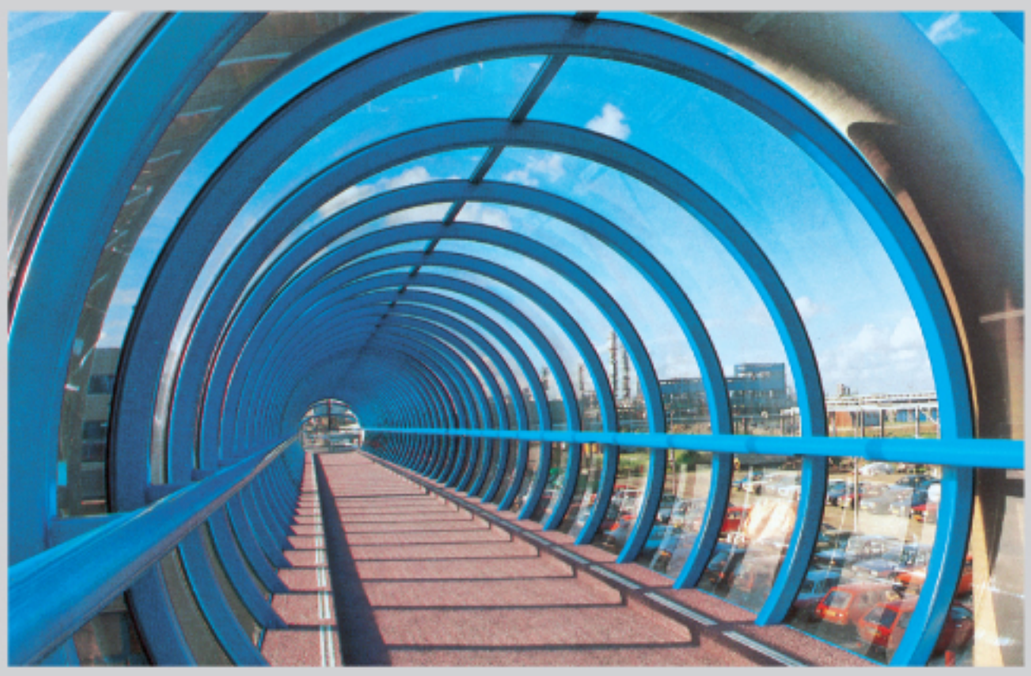
PLAZCARB

Polycarbonate Sheets

PLAZIT 2001

Plastic Solutions

IT'S CLEAR-PLAZIT

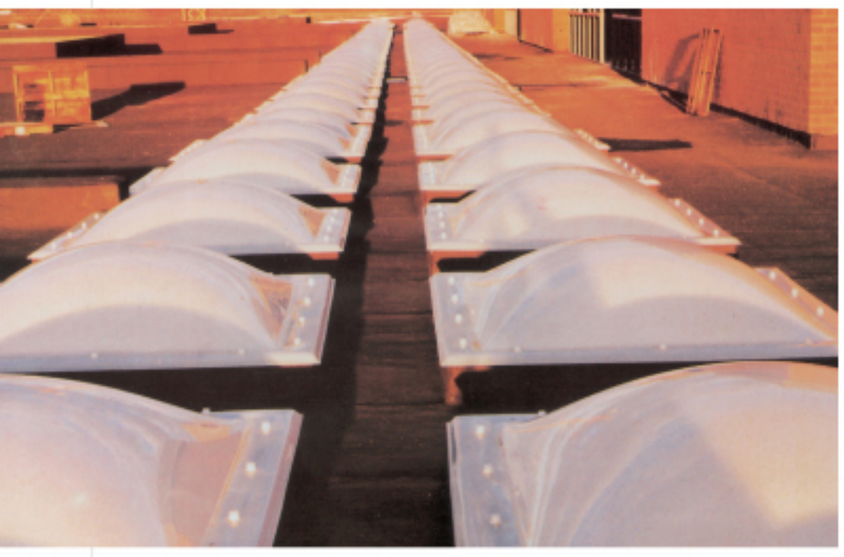


PLAZCARB

Polycarbonate Sheets

Virtually unbreakable, as transparent as glass and highly flame resistant, Plazcarb, polycarbonate solid sheets, are the natural choice for contractors and manufacturers in many fields.

Plazcarb sheets are half the weight of glass and easily processed enabling designers to provide creative solutions while reducing construction costs.



Applications:

- Safety glazing for ships, machines, aircraft
- Glazing
- Noise reduction walls for motorways
- Bus Shelters
- Shields for security forces
- Vending machines
- Clear roofing
- Pedestrian walkways
- Helmet visors
- Windshields for boats, motorcycles
- Lighting
- Display
- Signposts
- Telephone booths

Colours

Transparent:
clear, brown, brown smoke, grey, grey smoke, blue.

Translucent:
opal, diffuser, solarium

Opaque:
grey, black

Size Range:

Thickness: 1.50 - 12.00 mm
Width: 1000 - 2140 mm
8zLength: 500 - 8000 mm

For special sizes or tolerances of up to 0.5 mm sheets can be ordered cut-to-size.

Weather Resistance

Plazcarb Standard sheets are produced from raw material that contains a UV additive. However, if extra protection is needed from UV rays, for example, when the sheets are used for outdoor applications under extreme weather conditions, we recommend our Plazcarb+UV sheets which, in addition, have a co-extruded layer of UV protection on one or both sides of the sheet, as required.

10 Year Limited Guarantee

Plazcarb sheets are guaranteed for 10 years for light transmission and stability of mechanical properties, as detailed in our guarantee.

Embossed Sheets

Plazcarb embossed sheets are available in the following patterns:

Lizard
G-Tec, Lizard
K-12
Pinspot

Suitable for furniture, car interiors, balustrades, banisters

In the following sizes:

G-Tec, Lizard

Thickness: 1.80 - 10.00 mm
Width: 1000 - 2140 mm
Length: 500 - 8000 mm

K-12, Pinspot

Thickness: 2.40 - 6.00 mm
Width: 600 - 1500 mm
Length: 500 - 6000 mm