

TECHNICAL DATASHEET

VITROFLEX PC ANTIREFLEX

The VITROFLEX PC ANTIREFLEX is a transparent compact polycarbonate sheet with anti-glare surface and optionally with UV protection. It also offers great constancy at temperatures close to 100°C, without deforming or losing its optical transparency, ideal for installations and structures. Manufactured by extrusion has great impact resistance and is light. Its high quality makes the VITROFLEX PC ANTIREFLEX a material suitable for machining, printing, bending and thermoforming.

ADVANTAGES VITROFLEX PC ANTIREFLEX

- Avoid reflections caused by light sources.
- Optional protection against ultraviolet rays.
- Offers a very high impact resistance.
- Resistance to high temperatures.
- Great transparency.
- High light transmission.
- Precision in thickness tolerance.
- Optimized for indoor applications.
- Possible coloring.

TYPES AND FORMATS

Different thicknesses ranging from 2 to 8mm.

APPLICATION AREAS

- Skylights.
- Ceilings
- Advertising and promotional banners.
- Signs
- Glass replacement.
- Indoor exhibitors
- Stands.
- Interior lettering
- Signaling.
- Lighting.
- Machinery protection.

TECHNICAL SPECIFICATIONS - VITROFLEX PC ANTIREFLEX

Properties	Value	Unit	Standard
Physical properties			
Density	1,20	g/cm ³	ISO 1183
Humidity absorption 24 h 23°C, 50% RH	0,15	%	ISO 62
Mechanical properties			
Tensile strength	60(70)	MPa	ISO 527
Traction elasticity module	2300	MPa	ISO 527
Elongation at break	6 (110)	%	ISO 527
Charpy, impact strength	NB		
Rockwell hardness	M70	R-scale	ISO 2039-2
Flexural Strength	2300	MPa	ISO 178
Electrical properties			
Specific resistance	10 ¹⁶	Chm	IEC60093
Volume resistance	10 ¹⁶	Ohm.cm	IEC60093
Dielectric constant			
a) 50HZ	3		IEC60250
b) 1 MHz	2,9		IEC60250
Thermal properties			
Linear thermal expansion coefficient (23-80 ° C)	0.70	10-4 XK-1	ISO2039-2
VICAT softening temperature	148-149	°C	ISO 306
Bending temperature under load (Método A, 1.8 MPa)	132	°C	ISO 75
Optical properties			
Light transmission	88	%	
Fire properties			
PC 1-6 mm			
Fire classification	Bs1d0 HB		ISO13501-1 UL94

The properties described here are typical values of the material. Polimer Tecnic is not responsible for the materials of a specific consignment to exactly match the given values, being able to carry out tests of that heading. The above information is based on our experience and is given in good faith. Due to some installation and processing factors that are beyond our knowledge and control, no guarantee is given regarding such information.