

TECHNICAL DATA

VITROFLEX PC OPAQUE

The VITROFLEX PC OPAQUE is a range of high resistance opaque polycarbonate sheets. They are virtually unbreakable, with extremely high impact resistance. VITROFLEX PC OPAQUE also shows great robustness at high temperatures.

ADVANTAGES VITROFLEX PC OPAQUE

- Wide range of colours on request.
- Unique metallic colours
- High impact resistance
- Wide temperature range
- Self-extinguishing.
- Light weight
- Good mechanical and thermal qualities.
- Thermal insulation.
- Can be moulded, glued and welded.
- Smooth finishing, engraving, etc.
- Optional matt finish.

TYPES AND FORMATS

With a standard size of 1250x2050 mm, they can have a maximum width of 1450mm, for thicknesses between 1.5 and 8mm.

Colours on demand, with different smooth engravings, fine 35, medium engraving 40, etc.

APPLICATION AREAS

- Thermoforming.
- Industrial.
- Interior divisions.
- Automotive.
- Farm equipment.
- Caps and containers.
- Visual communication.

TECHNICAL SPECIFICATIONS - VITROFLEX PC OPAQUE

Properties	Value	Units	Standard
Physical properties			
Density	1.20	g/cm ³	ISO 1183
Mechanical properties			
Tensile strength	>50	MPa	ISO 527
Traction elasticity module	2300	MPa	ISO 527
Elongation at break	6	%	ISO 527
Rockwell hardness	M70	R-scale	ISO 2039-2
Flexural strength	2300	MPa	ISO 178
Thermal properties			
Linear thermal expansion coefficient (23-80°C)	0.70	10 ⁻⁴ XK ⁻¹	ISO2039-2
VICAT softening temperature	149	°C	ASTMD 2220
Bending temperature under load (Method A, 1.8MPa)	132	°C	DIN53516

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