

## TECHNICAL DATA

# VITROFLEX PC FORM – Mouldable and anti-abrasion

The VITROFLEX FORM is our range of polycarbonate coated sheets with a hardened surface, which are heat-mouldable and resemble glass. The high impact resistance of polycarbonate is combined with a coating suitable for thermoformed applications. In addition, the Vitroflex PC FC offers great chemical resistance and good protection against abrasion. Vitroflex PC Form complies with standard EN 166 for vision products.

## ADVANTAGES OF VITROFLEX PC FORM

- Offers high impact resistance.
- Resistance to high temperatures.
- Great transparency.
- High light transmission.
- Good tolerance in thickness.
- Interior applications.

## TYPES AND FORMATS

With thicknesses ranging from 2 to 10mm, they are available in standard size sheets depending on their thickness: 2050x1250mm and 3050x2050mm.

Product on request.

Possibility of special measures.

Option for exterior on request.

## APPLICATION AREAS

- Facades.
- Screens.
- Exterior or interior lighting.
- Nautical
- Industrial.
- Signalling and signage.
- Skylights.
- Covers.

## TECHNICAL SPECIFICATIONS – VITROFLEX PC FORM

Properties	Value	Units	Standard
<b>Physical properties</b>			
Density	1.20	g/cm <sup>3</sup>	ISO 1183
Water absorption 24h 23°C, 50% RH	0.15	%	ISO 62
<b>Mechanical properties</b>			
Tensile strength	63(70)	MPa	ISO 527
Traction elasticity module	>2300	MPa	ISO 527
Elongation at break	6 (110)	%	ISO 527
Impact strength. Charpy method	NB		
Flexural strength	2300	MPa	ISO 178
<b>Thermal properties</b>			
Linear thermal expansion coefficient (20-70°C)	65x10 <sup>-6</sup>	K <sup>-1</sup> .	ISO 11359-2
Thermal conductivity	0.20	W/m.K	ISO 8302
<b>Coated properties</b>			
Adhesion	GT-0		ISO 1044
Taber abrasion resistance CS 10F, 500g, 100 cycles	<9	%Haze	ASTM D 1044

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.