

## TECHNICAL DATA

### VITROFLEX PVC COMPACT

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VITROFLEX PVC COMPACT are compact flat sheets of PVC. VITROFLEX PVC COMPACT allows for thermoforming, cutting, bending and welding, and can also be laminated for the manufacture of sandwich and printed panels. Compact PVC is resistant to most chemical compounds at room temperature. It is suitable for indoor and outdoor use when it has UV protection additives. It is a self-extinguishing product that is difficult to burn, with an M1 fire rating.

#### ADVANTAGES OF VITROFLEX PVC COMPACT

- Impact resistance.
- Excellent vacuum thermoforming properties.
- Good mechanical properties.
- Chemical resistance

#### TYPES AND FORMATS

With thicknesses starting at 0.7mm, they come in various colours. There is also the option of customized colour with minimum orders.

#### APPLICATION AREAS

- Building and construction.
- Electrical and electronic components.
- Automotive industry.
- Coatings.
- Cable boxes.
- Covers.
- Signalling.
- Industrial furniture.
- Chemical plants.
- Water treatment.
- Machinery.

## TECHNICAL SPECIFICATION - VITROFLEX PVC COMPACT

Properties	Value	Units	Standard
<b>Physical properties</b>			
Density	1,45	g/cm <sup>3</sup>	ISO 1183
Water absorption 24 h 23°C, 50% RH	0.2	%	DIN53495
<b>Mechanical properties</b>			
Tensile strength	>45	MPa	ISO 527
Traction elasticity module	>2500	MPa	ISO 527
Elongation at break	>25	%	ISO 527
Impact strength	NB		
Flexural strength	116	MPa	ISO 178
<b>Electrical properties</b>			
Surface resistivity	10 <sup>13</sup>	Ohm	DIN53482
Dielectric constant	21	KV/m	MSZEN60243-1
<b>Thermal properties</b>			
Linear thermal expansion coefficient (23-70°C)	0.7	K <sup>-1</sup> x10 <sup>4</sup>	DIN53752
VICAT softening temperature	79	°C	ISO 306
Thermal conductivity	0.2	W/mk	DIN5612
Working temperature range	0-60	°C	
<b>Fire resistance properties</b>			
	B1(1-4.5MM)		DIN4102(D)
	M1 (2-10MM)		NFP 92-501(F)
	V0		UL 94 (US)

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.