

## TECHNICAL DATA

### VITROFLEX PMMA METAL

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VITROFLEX PMMA METAL is an acrylic sheet that offers an innovative metallic effect with high aesthetic value. It combines the elegance and easy handling of acrylic. Its lightness and appearance makes it an ideal material in spaces where the image prevails, providing warmth.

#### ADVANTAGES OF VITROFLEX PMMA METAL

- Imitates metal (gold, silver, titanium).
- Easy handling.
- Thermoformable.
- Lightness.
- The same visual effect as the natural material is maintained.
- Also available for outdoor use.

#### APPLICATION AREAS

- Kitchens.
- Bathrooms.
- Screens.
- Carpentry.
- Signs.
- Visual communication.
- Merchandising.
- Furniture of high aesthetic value
- Store windows.
- Luminous reflections.
- Decorative elements.

## TECHNICAL SPECIFICATIONS - VITROFLEX PMMA METAL

Properties	Value	Units	Standard
<b>Physical properties</b>			
Density	1.19	g/cm <sup>3</sup>	ISO 1183
Water absorption	0.3	%	ISO 62
<b>Mechanical properties</b>			
Tensile strength	76	MPa	ISO 527
Traction elasticity module	3300	MPa	ISO 527
Elongation at break	5	%	ISO 527
Impact strength. Charpy method	13	kJ/m <sup>2</sup>	ISO 179/2D
Rockwell hardness	95	-	ISO 2039-2
Flexural strength	110	MPa	ISO 178
<b>Electrical properties</b>			
Specific resistance	>10 <sup>15</sup>	Ohm	DN53458
Volume resistance	>10 <sup>15</sup>	Ohm.cm	DN53458
Dielectric constant			
a) 50HZ	3.7		DN53483
b) 1MHz	2.6		
<b>Thermal properties</b>			
Linear thermal expansion coefficient (23-70°C)	70.6.10 <sup>-6</sup>	K <sup>-1</sup>	EN2155-12
VICAT softening temperature	>108	°C	ISO 306
Bending temperature under load (Method A, 1.8MPa)	1052	°C	ISO 75
Dimension variation at high temperatures (contraction)	2.5	%	
Inflammability	HB	-	UL94
<b>Optical properties</b>			
Total light transmission	92	%	ISO 2857
Ageing in artificial light – XENOTEST	5	Grey scale	ISO 4892
HAZE turbidity value	0.5	%	EN 2155-9
Refractive index	1.49	-	ISO / R489

The properties described here are typical values of the material. Polymer 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.