

POSTERFLEX PMMA EXTRUSION

Description:

El Posterflex PMMA Extrusión is a material with high transparency and better resistance to impact than glass, with a lightness ten times greater than glass. It has an excellent transparency and very easy handling, allowing simple processes of cutting, milling and polishing with carpentry tools. It is also suitable for thermoforming and machining, being an easy-to-handle material that does not release toxic combustion gases. It is a product that remains unchanged over time, maintaining its properties of transparency and shine.

Advantages:

- Characteristics than cast acrylic, but at a cheaper cost.
- Good resistance.
- Excellent transparency.
- Perfect for exterior applications.
- Thickness accuracy.
- Free of halogens.

Types and formats:

Their thicknesses range between 1 and 30mm, offering various plate sizes, which can also be made to measure. They offer various finishes that can be: gloss, matte, antireflex, surface textures, engraving, etc. with coloring possibilities, VITROFLEX PMMA EXTRUSIÓN is also available for food use.

Application areas:

- Acoustic screens.
- Aquariums.
- Roofings.
- Urban furniture.
- Signaling and signage.
- Boat windows and windscreens.
- Basketball backboards.
- Furniture.
- Skylights.
- Porta menus of restaurants.
- Advertising posters.
- Solar / photovoltaic panels.
- Greenhouses.
- Exhibitors.
- Pipes and bars.
- Glazing and protection.
- Enclosures.
- Screens and acoustic barriers.

CHARACTERISTICS	VALUE	STANDARD
Density	1,2 g/m ²	ISO 1183
Tensile strength at break	72 MPa	ISO 527
Elastic module	3562 MPa	ISO 527
Elongation at elastic limit	4%	ISO 527
Hardness	95 R-scale	ISO 2039-2
Bending modulus	3300 MPa	ISO 178
Resistance modulus	110 MPa	ISO 178
Izod jagged impact resistance	1.5 KL/m ²	ISO 180a
Linear coefficient of thermal expansion (0-50°C)	6.5E-5 1/°C	EN2155-12
VICAT deformation temperature	103°C	ISO 306
Bending temperature under load	95°C	ISO 75
Refractive index	1,492	ISO / R489
Construction (EU)	E	EN13501-1
Illumination and transparency	HB	UL94

