

PMMA (Acrylic) MIRROR SHEET

GENERAL PROPERTIES		CONDITIONS	TEST METHOD	UNIT	VALUE
Density		23 °C / 50% RH	ISO 1183	gr/cm³	1,19
Water Absorbtion (24h)			ISO 62	%	0,3
Maximum Continuous Operating Temp.				°C	70
Cross-Cut			ASTM 3359		5B
Corrosion test (corner corrosion) (200h)			ISIK METHOD	mm	< 1
MECHANICAL PROPERTIES					
Tensile Strength at Break		23 °C	ISO 527-2	MPa	75
Elongation at break		23 °C	ISO 527-2	%	5
Tensile Modulus		23 °C	ISO 527-2	MPa	3200
Flexural Strength at Break		23 °C	ISO 178	MPa	120
Flexural Modulus		23 °C	ISO 178	MPa	3100
Charpy Impact Strength with Notched		23 °C	ISO 179	kJ/m²	2,0
Rockwell Hardness, M Scale			ISO 2039-2		92
THERMAL PROPERTIES					
Vicat Temperature		50 N	ISO 306	°C	105
Deflection temperature under load		1,8 MPa	ISO 75	°C	99
Coefficient of linear expansion			ISO 11359-2	mm/m °C	0,07
OPTICAL PROPERTIES					
Reflectance			ISO 7724-1	%	80-90
Optical Stability (200 h)		38 °C / 50% RH	ISO 4892-2	dE	<2
ELECTRICAL PROPERTIES					
Dielectrical Strength			DIN 53481	kV/mm	20
Dielectric Constant		to 1 KHz	DIN 53483		3,1
FLAMMABILITY					
Fire Rating			UL94		HB
			DIN 4102		B2
			EN 13501-1		E
DIMENSIONS					
Thickness		0,8 - 5 mm			
Width		1220 and 2050 mm	(Depends on customer requests)		
Length		2440 and 3050 mm	(Depends on customer requests)		
BACK SIDE PROTECTION					
Water-Based Painted or Acrylic-Based Self Adhesive Tape		(Depends on customer requests)			
COLORS					
 Silver	 Gold	 Pink	 Red	 Blue	 Sky Blue
 Bronze	 Light Gold	 Rose Gold	 Dark Green	 Light Green	 Avacado Green

* POLICAM PMMA (Acrylic) sheets are produced according to EN ISO 7823-2 standard.

PMMA (Acrylic) MIRROR SHEET

“Policam” Mirror PMMA (Acrylic) Sheets are produced from extruded acrylic sheet, which has excellent one-sided reflection performance thanks to Physical Vapor Deposition (PVD) process. PVD technology which supplies thin film coating is eco-friendly and does not leave any chemical waste to environment.

The back surface is covered with an opaque paint or acrylic-based self adhesive tape. There are different color options. It can be frequently preferred for decoration applications with its rich color options.

“Policam” Mirror PMMA (Acrylic) Sheets are the best alternative to traditional glass mirrors. “Policam” Mirror PMMA (Acrylic) Sheets are 17 times stronger than glass. It is suitable for security applications thanks to its high impact and fracture resistance. It does not create sharp parts in a possible break, reducing the risk of injury.

“Policam” Mirror PMMA (Acrylic) Sheets are lighter material (half weight of same thickness glass mirror) materials. At the same time, “Policam” Mirror PMMA (Acrylic) Sheets are much more flexible than glass mirrors. It provides advantages for machining operations such as drilling, sawing, milling, laser cutting.



ADVANTAGES

- Choice of colors to create unique decorative effects
- Unbreakable, maximum protection against injuries
- 2 times lighter and 17 times stronger than glass
- Durability. mechanical and optical properties preserved
- Easy and quick to cut, drill, screen print, form and install

COLORS THAT REFLECT YOUR VISION

