

MATTE PMMA (Acrylic) SHEET

GENERAL PROPERTIES	CONDITIONS	TEST METHOD	UNIT	VALUE
Density		ISO 1183	gr/cm ³	1,19
Water Absorbtion (24h)	23 °C / 50% RH	ISO 62	%	0,3
Moulding Shrinkage		ASTM D-955	%	0,2 - 0,6
Maximum Continuous Operating Temp.			°C	70
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/m ²	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				
Light Transmission (3mm)		ASTM D1003	%	88
Gloss (60°)		ISO 2813		10-15
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	1 – 5,58 mm			
Width	1220	(Depends on customer requests)		
Length	2440	(Depends on customer requests)		
ALLOWED BLACK SPECS and INCLUSIONS **				
Inclusion Defect Size		Sheet Thickness (t) (t ≤ 5)		
Under 0,2 mm		Negligible		
Between 0,2 - 0,8 mm		8 pieces		
Above 0,8 mm		Not Acceptable		

* Depends on customer request

** Classification refers to allowable defects per 1m² of sheet

POLICAM PMMA sheets have certification of EN ISO 7823-2 standard.

POLICAM MATTE PMMA SHEETS

A Matte Touch for Modern Designs

POLICAM Matte PMMA Sheets offer a more natural, clean and sophisticated alternative to glossy surfaces. Thanks to their special matte surface texture, they diffuse light gently, bringing a premium look to modern living spaces and design-focused applications.

The surface structure, which makes fingerprints, stains and daily use marks less visible, helps maintain a clean and well-kept appearance for a long time. At the same time, it helps to preserve the aesthetic integrity by masking minor surface scratches.



KEY FEATURES

- Modern and premium matte surface appearance
- Low glare effect
- Reduced visibility of fingerprints and stains
- Masks minor surface scratches
- Easy to process
- UV resistant and long-lasting performance
- High light transmission
- Aesthetic solution for interior applications

APPLICATION AREAS

- Furniture and decorative panels
- Shop and display window designs
- Interior architectural applications
- Exhibition and trade show stands
- Corporate interior projects
- Signage and display applications

POLICAM Matte PMMA Sheets combine technical performance with modern surface aesthetics to offer ideal solutions for your designs.

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