

# TECHNICAL DATA SHEET

## MIRROR PMMA (Acrylic) SHEET

<u>GENERAL PROPERTIES*</u>	<u>CONDITIONS</u>	<u>TEST METHOD</u>	<u>UNIT</u>	<u>VALUE</u>
Density		ISO 1183	gr/cm <sup>3</sup>	1,19
Water Absorbtion ( 24h)	23C / 50% RH (24h)	ISO 62	%	0,3
<u>MECHANICAL PROPERTIES*</u>				
Elongation at break	23° C	ISO 527-2	%	7
Tensile Modulus	23° C	ISO 527-2	MPa	3200
Flexural Modulus	23° C	ISO 178	MPa	3300
Charpy Impact Strength with Notched	23° C	ISO 179-1eA	kJ/m <sup>2</sup>	2
Rockwell Hardness M Scale		ISO 2039-2	M -scale	92
<u>THERMAL PROPERTIES*</u>				
Vicat Temperature	50 N	ISO 306	°C	105
Deflection temperature under load	1,8 MPa	ISO 75	°C	100
Coefficient of linear expansion		ISO 11359-2	mm/m°C	0,07
<u>ELECTRICAL PROPERTIES*</u>				
Dielectrical Strength		DIN 53481	kV/mm	20
Dielectric Constant	to 1 KHz	DIN 53483		3,1

\*Applicable to PMMA(Acrylic) sheet.

\*PMMA(Acrylic) sheets are produced according to **EN 7823-2**.

<u>GENERAL PROPERTIES**</u>	<u>CONDITIONS</u>	<u>TEST METHOD</u>	<u>UNIT</u>	<u>VALUE</u>
Mirror Clour		-		Gold
Reflectance		ASTM 1003	%	80-90
Cross-Cut		ASTM 3359		5B
Climatic Resistance (200h)		ISO 4892-2		DE<2
Corrosion test (200h)		ISIK METHOD	corner corrosion < 1mm	

\*\*Applicable to MIRROR PMMA(Acrylic) sheet. Contact us for full mirror material specification