TECHNICAL DATA SHEET

POLICAM MIRROR PMMA (Acrylic) SHEET

GENERAL PROPERTIES*	***CONDITIONS***	***TEST METHOD***	***UNIT***	***VALUE***
Density		ISO 1183	gr/cm^3	1,19
Water Absorbtion (24h)	23C / 50% RH (24h)	ISO 62	%	0,3
MECHANICAL PROPERTIES*				
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^2	2
Rockwell Hardness M Scale		ISO 2039-2	M -scale	92
THERMAL PROPERTIES*				
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
ELECTRICAL PROPERTIES*				
Dielectrical Strength		DIN 53481	kV/mm	20
Dielectric Constant	to 1 KHz	DIN 53483		3,1

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

GENERAL PROPERTIES**	***CONDITIONS***	***TEST METHOD***	***UNIT***	***VALUE***
Mirror Clour		-		Silver
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 POLICAM MIRROR PMMA(Acrylic) sheet. Contact us for full mirror material specification*