

ACRYLIC (Perspex)

PHYSICAL PROPERTIES (PMMA)

	TYPICAL PROPERTIES	VALUE	UNIT	ASTM/UL	ISO/IEC
GENERAL	Specific Density	1.18	gm/cc	D-792	1183
	Flammability – (Flame class rating)		HB	UL-94	
	Water Absorption	0.3	%	D-750	62/1
MECHANICAL	Rockwell Hardness	92	M-scale	D-785	2039/1
	Tensile Stress at break	70	MPa	D-638	527
	Tensile Strain at break	5	%	D-638	527
	Flexural Strength	116	MPa	D-790	178
	Izod Impact Notched (23°C)	1.9	Kj/M ²	D-256A	180
THERMAL	Vicat Softening Point	110	°C	D-1525	306
	Heat Deflection Temperature	97	°C	D-648	75
	Meltflow Index	1.6	gm/10min	D-570	1133
ELECTRICAL	Relative Permittivity (1 MHz)	2.8			
	Dielectric Strength	24	KV/mm	D-149	IEC 243
	Dissipation Factor (1 MHz)	210	E-4	D-150	IEC 250
OPTICAL	Light transmission (1 mm thickness)	92	%	D-1003	13468
	Haze	0.4	%	D-1003	
	Refractive Index	1.49		D-542	489

ROWAD PMMA SHEETS STANDARD SUPPLY

Thickness : 1.00 mm up to 13.00 mm
Size : 1 X 2 m & 1220 X 2440 m
Colour : Glass Clear, Translucent white and Opaque white

- All sheets are laminated with paper or plastic film on top and bottom.
- Any other colour or thickness or sheet size can be supplied on customer request.