

Techncal Data sheet of Acrylic Sheet

Property	Test Method (ASTM)	Unit	Index Value
Physical			
Density	ASTM D792	g/cm ³	1.19
Water Absorption,Equilibrium,24 Hrs	ASTM D570	%	0.3
Refractive Index	ASTM D542	-	1.49
Light Transmission	ASTM D1003	%	93
Mechanical			
Rockwell Hardness	ASTM D785	Shore	85
Izod Impact Strength (Notched)	ASTM D256	kg-cm/cm	22
Tensile Strength	ASTM D638	kg/cm ²	730
Tensile Modulus	ASTM D638	Mpa	2760
Flextural Strength	ASTM D790	kg/cm ²	1150
FlexturalModulus	ASTM D790	MPa	3280
Elongationatbreak	ASTM D638	%	4.5
Thermal			
Co-efficientof Thermal expansion	ASTM D696	cm/cm-°C	7.2 x10 ⁻⁵
Heat Deflection temp,@264psi	ASTM D648	°C	104
Vicat Softening point	ASTM D1525	°C	100