

Acrylic Sheet Cast

Technical Sheet

Clear



	Test	Unit	Value
Density	ISO 1183	g/cm ³	1.19
Rockwell Hardness	ISO 2039-2	M-scale	105
Light Transmission	ISO 13468-1	%	93
Refractive Index	ISO 489	n ^D ₂₀	1.492
Flexural Modulus	ISO 178	MPa	3000
Flexural Strength	ISO 178	MPa	125
Tensile Modulus	ISO 527	MPa	3300
Tensile Strength	ISO 527	MPa	75
Elongation	ISO 527	%	6
Vicat Temp (VST/A 50)	ISO 306	°C	115
Heat Deflection Temp. (A)	ISO 75	°C	105
Specific Heat Capacity	ISO 3146-C-60 °C	J/gK	2.16
Coefficient of linear thermal expansion	ISO 11359-2	K ⁻¹ x10 ⁻⁵	7
Thermal Conductivity	DIN 52612	W/mK	0.19
Degradation temperature		°C	>280
Max service temp. continuous use		°C	80
Max service temp. short term use		°C	90
Sheet forming temp.range		°C	160-190
Izod (notched)	ISO 180	KJ/m ²	-
Charpy (notched)	ISO 179	KJ/m ²	2
Charpy (unnotched)	ISO 179	KJ/m ²	15
Dielectric constant 50 HZ	DIN 53483		3.6
Volume Resistivity	DIN 53482	Ω.cm	>10 ¹⁵

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Surface Resistivity	DIN 53482	Ω	$>10^{14}$
Dielectric strength	DIN 53481	kV/mm	30
Dissipation Factor (50 HZ)	DIN 53483		0.06

All The above information is for guide purposes only. The data has been taken from standard test results provided by manufactures.