

# Polycarbonate Sheet Extruded

Clear

Technical Sheet



	Test	Unit	Value
Density	ISO 1183	g/cm <sup>3</sup>	1.2
Rockwell Hardness	D-78	M-scale	-
Light Transmission	DIN 5036	%	86
Refractive Index	T3	n <sup>D</sup> <sub>20</sub>	1.585
Flexural Modulus	ISO 489	MPa	-
Flexural Strength	ISO 178	MPa	>95
Tensile Modulus	ISO 527	MPa	2200
Tensile Strength	ISO 527	MPa	60
Elongation	ISO 527	%	80
Vicat Temp (VST/A 50)	ISO 306	°C	145
Heat Deflection Temp. (A/B)	ISO R75	°C	135
Specific Heat Capacity	-	J/gK	1.17
Coefficient of linear thermal expansion	DIN 53328	K <sup>-1</sup> x10 <sup>-5</sup>	6.5
Thermal Conductivity	DIN 52612	W/mK	0.2
Degradation temperature		°C	>280
Max. Service temp. continuous use		°C	115
Max. Service temp. short term use		°C	130
Sheet forming temp. range		°C	180-210
Izod (notched)	ISO 180	KJ/m <sup>2</sup>	-
Charpy (notched)	ISO 179	KJ/m <sup>2</sup>	10
Charpy (unnotched)	ISO 179	KJ/m <sup>2</sup>	NB
Dielectric constant 50 HZ	DIN 53483		3
Volume Resistivity	DIN 53482	Ω.cm	10 <sup>15</sup>

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Surface Resistivity	DIN 53482	$\Omega$	$>10^{15}$
Dielectric Strength	DIN 53481	kV/mm	$>30$
Dissipation Factor (50 HZ)	DIN 53483		$8 \times 10^{-4}$

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