

PETG Sheet - Technical Data Sheet



the people for plastics

GENERAL			
Property	Method	Units	Value
Density	D1505	g/cm ³	1.27
Rockwell Hardness	D-785	Rscale	105

OPTICAL			
Property	Method	Units	Value
Light Transmission	5036	%	88
Refractive Index	53491		1.57
Haze	D1003	%	<1

MECHANICAL			
Property	Method	Units	Value
Flexural Modulus	53452	MPa	2075
Flexural Strength	53452	MPa	70
Tensile Modulus	53455	MPa	2200
Tensile Strength	53455	MPa	50
Elongation	53455	%	54

THERMAL			
Property	Method	Units	Value
Vicat Temp (B)	53460	°C	82
Heat Deflection Temp. (A/B)	53461	°C	72/68
Specific Heat Capacity	D-2766	J/gK	1.1
Coefficient of linear thermal expansion	53752	K ⁻¹ x10 ⁻⁵	6.8
Thermal Conductivity	52612	W/mK	0.2
Degradation temperature		°C	>280
Max service temperature		°C	70
Sheet forming temp. range		°C	120-160

IMPACT STRENGTHS			
Property	Method	Units	Value
Izod (notched)	ISO 180	KJ/m ²	11.5
Charpy (notched)	53453	KJ/m ²	10
Charpy (unnotched)	53453	KJ/m ²	NB

ELECTRICAL			
Property	Method	Units	Value
Dielectric constant 100 HZ	IEC 250		2.6
Volume Resistivity	D257	Ω.cm	>10 ¹⁵
Surface Resistivity	D257	Ω	>10 ¹⁶
Dielectric Strength	D149	kV/mm	16
Dissipation Factor (50 HZ)	IEC 250		0.01