



Clear Polyester PETG material

Product Information Sheet

Product : SV Mat /31 : /40 : /48 : /52 : /56 & /65 : 500-6000 micron

■ GENERAL			
Property	Method	Units	QUINN PETG +
Density	D1505	g/cm ³	1.27
Rockwell Hardness	D-785	R scale	105
■ OPTICAL			
Property	Method	Units	QUINN PETG +
Light Transmission	5036	%	88
Refractive Index	53491		1.57
Haze	D1003	%	<1
■ MECHANICAL			
Property	Method	Units	QUINN PETG + QUINN PETG UV
Flexural Modulus	53452	MPa	2075
Flexural Strength	53452	MPa	
Tensile Modulus	53455	MPa	2200
Tensile Strength	53455	MPa	50
Elongation	53455	%	54
■ THERMAL			
Property	Method	Units	QUINN PETG + QUINN PETG UV
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	
Degradation temperature		°C	200
Max. service temperature		°C	70
Sheet forming temp. range		°C	120-160
■ IMPACT STRENGTHS			
Property	Method	Units	QUINN PETG +
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	QUINN PETG + QUINN PETG UV
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

Supreme Visors Ltd. Unit 2 Astonfields Road, Whitehouse Industrial Estate, Runcorn, Cheshire WA7 3DL UK.

Tel +44 (0)1928 791800 email sales@supremevisors.com Fax +44(0)1928 791810

Director : Paul G. Ferguson (Managing) Co. Sec : Alison Jackson

Registration Number : 2199858