

Plaskolite PETG Sheet

Polyethylene Terephthalate Glycol Comonomer

Plaskolite, Inc.

Message:

Plaskolite PETG Sheet is a Polyethylene Terephthalate Glycol Comonomer (PETG) material. It is available in North America. Primary attribute of Plaskolite PETG Sheet: Flame Rated.
Typical application of Plaskolite PETG Sheet: Sheet

General Information			
Uses	Sheet		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Water Absorption (Saturation)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2010	MPa	ASTM D638
Tensile Strength (Break)	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	180	%	ASTM D638
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	37	J/m	
23°C	91	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	70.0	°C	
1.8 MPa, Unannealed	62.8	°C	
Continuous Use Temperature	65.0	°C	ASTM D794
Glass Transition Temperature	81.1	°C	ASTM E1356
CLTE - Flow	9.2E-5	cm/cm/°C	ASTM D696
Specific Heat	1460	J/kg/°C	ASTM C351
Thermal Conductivity	0.21	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+14	ohms	ASTM D257
Volume Resistivity	6.0E+15	ohms · cm	ASTM D257
Dielectric Strength	15	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	3.40		
1 MHz	3.20		

Dissipation Factor			ASTM D150
1 kHz	0.010		
1 MHz	0.020		
Arc Resistance (3.00 mm)	125	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-2		UL 94
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.567		ASTM D542
Transmittance	90.0	%	ASTM D1003

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