

HiFill® PBT 2520 GF7

Polybutylene Terephthalate
Techmer Engineered Solutions

Message:

HiFill® PBT 2520 GF7 is a Polybutylene Terephthalate (PBT) product. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Good UV Resistance

General Information			
Features	Good UV Resistance		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	44.8	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.18 mm	130	J/m	
23°C, 3.18 mm	140	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	199	°C	
1.8 MPa, Unannealed	93.3	°C	
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength ¹	16	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm)	HB		UL 94
NOTE			
1.	Method A (Short-Time)		

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Recommended distributors for this material

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