

HiFill® PBT 2520 UV

Polybutylene Terephthalate
Techmer Engineered Solutions

Message:

HiFill® PBT 2520 UV 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
UV Stabilized

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
	Impact Modified		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	2.4	%	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)	34.5	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1140	MPa	ASTM D790
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	590	J/m	
23°C, 3.18 mm	750	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	118	°C	
1.8 MPa, Unannealed	48.9	°C	
CLTE - Flow	8.6E-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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