

HiFill® PBT 1225 L BK

Polybutylene Terephthalate
Techmer Engineered Solutions

Message:

HiFill® PBT 1225 L BK is a Polybutylene Terephthalate (PBT) product. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Lubricated

General Information			
Additive	Lubricant		
Features	Lubricated		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	2.0	%	ASTM D955
Water Absorption (24 hr)	0.080	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	57.9	MPa	
Break	53.1	MPa	
Tensile Elongation			ASTM D638
Yield	8.0	%	
Break	50	%	
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	154	°C	
1.8 MPa, Unannealed	54.4	°C	
CLTE - Flow	1.4E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+15	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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