

HiFill® PBT 1224 A

Polybutylene Terephthalate
Techmer Engineered Solutions

Message:

HiFill® PBT 1224 A is a Polybutylene Terephthalate (PBT) product. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
Features	Good Flow		
Appearance	Colors Available		
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)	50	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.7	%	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 (Break)	57.2	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	163	°C	
1.8 MPa, Unannealed	65.6	°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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