

HiFill® PA6 0254 B2

Polyamide 6
Techmer Engineered Solutions

Message:

HiFill® PA6 0254 B2 is a Polyamide 6 (Nylon 6) product filled with barium sulfate. It can be processed by injection molding and is available in North America. Primary characteristic: antistatic.

General Information			
Filler / Reinforcement	Barium Sulfate		
Additive	Antistatic		
Features	Antistatic		
	High Specific Gravity		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	48.3	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	149	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+9 to 1.0E+11	ohms · cm	ASTM D257
Static Decay	< 2.0	sec	FTMS 101B

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