

HiFill® PA6 0500

Polyamide 6

Techmer Engineered Solutions

Message:

HiFill® PA6 0500 is a Polyamide 6 (Nylon 6) product filled with filler. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Filler		
Features	High Specific Gravity		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	5.01	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	46.2	MPa	ASTM D638
Tensile Elongation (Yield)	1.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	49.0	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 (1.8 MPa, Unannealed)	124	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13 to 1.0E+15	ohms · cm	ASTM D257

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Recommended distributors for this material

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