

HiFill® PA4/6 0206

Polyamide 46

Techmer Engineered Solutions

Message:

HiFill® PA4/6 0206 is a Polyamide 46 (Nylon 46) product. It can be processed by injection molding and is available in North America. Primary characteristic: conductive.

General Information			
Features	High Specific Gravity		
	Thermally Conductive		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	100	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	180	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	291	°C	
1.8 MPa, Unannealed	277	°C	
CLTE - Flow	3.6E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.98	W/m/K	ASTM C177

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Recommended distributors for this material

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