

# HiFill® PA6/6 0146 A

Polyamide 66

Techmer Engineered Solutions

## Message:

HiFill® PA6/6 0146 A is a Polyamide 66 (Nylon 66) product filled with copper. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Copper		
Features	High Specific Gravity		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm <sup>3</sup>	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)	47.6	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	50.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	174	°C	
1.8 MPa, Unannealed	82.2	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+7 to 1.0E+11	ohms · cm	ASTM D257

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## Recommended distributors for this material

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