

**HiFill® PA6 HSG 0600 BN710466**

 Techmer Polymer Modifiers - *Polyamide 6*
**General Information**
**Product Description**

 PNM710466  
 High Specific Gravity  
 Copper Powder Filled

**General**

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Brown
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	6.00		ASTM D792
Molding Shrinkage - Flow (0.125 in)	7.0E-3 to 9.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.20E+6	psi	ASTM D638
Tensile Strength (Yield)	4500	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	750000	psi	ASTM D790
Flexural Strength	6500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.0	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Annealed)	275	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Annealed)	250	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	170	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	< 0.050	%
Rear Temperature	405 to 450	°F
Middle Temperature	420 to 470	°F
Front Temperature	430 to 480	°F
Nozzle Temperature	440 to 490	°F
Processing (Melt) Temp	410 to 490	°F
Mold Temperature	125 to 175	°F
Back Pressure	25.0 to 75.0	psi

