

HiFill® PA4/6 0206

Techmer Polymer Modifiers - *Polyamide 46*

General Information

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Material Status	• Commercial: Active
Availability	• North America
Features	• High Specific Gravity • Thermally Conductive
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	2.06		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.015	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14500	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	1.50E+6	psi	ASTM D790
Flexural Strength	26100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.80	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	555	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	530	°F	ASTM D648
CLTE - Flow	2.0E-5	in/in/°F	ASTM D696
Thermal Conductivity	6.8	Btu·in/hr/ft²/°F	ASTM C177

