

HiFill® TPX-HTN-03003 A

Techmer Polymer Modifiers - *Polyamide*

General Information

Product Description

High Temperature Nylon

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Mineral, 40% Filler by Weight
Features	• Heat Stabilized • High Temperature Strength
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.51		ASTM D792
Molding Shrinkage - Flow (0.125 in)	7.0E-3	in/in	ASTM D955
Molding Shrinkage - Across Flow	7.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.19	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	13000	psi	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Modulus	1.00E+6	psi	ASTM D790
Flexural Strength	25000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.90	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	575	°F	ASTM D648
CLTE - Flow	1.9E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	600	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.

