

HiFill® TPX-HTN-01036 A

Polyamide
Techmer Engineered Solutions

Message:

HiFill® TPX-HTN-01036 A is a Polyamide product filled with 30% mineral. It can be processed by injection molding and is available in North America. Characteristics include:

Flame Rated
Heat Stabilizer
High Strength

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Temperature Strength		
UL File Number	E157318		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.80	%	ASTM D955
Water Absorption (24 hr)	0.14	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	126		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	103	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	200	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	260	°C	
1.8 MPa, Unannealed	159	°C	
Continuous Use Temperature	141	°C	ASTM D794
CLTE - Flow	4.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257

Dielectric Strength ¹	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Method A (Short-Time)		

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Recommended distributors for this material

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