

HiFill FR® PA6 E FR

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> Flame Retardant
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Extrusion

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.29		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.016	in/in	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	5900	psi	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	270000	psi	ASTM D790
Flexural Strength	8000	psi	ASTM D790
Impact			
Notched Izod Impact	1.0	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	97		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	150	°F	ASTM D648
CLTE - Flow	3.3E-5	in/in/°F	ASTM D696
Electrical			
Surface Resistivity	1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	530	V/mil	ASTM D149
Flammability			
Flame Rating (0.06 in)	V-0		UL 94

