

HiFill® TPX-PVDF-03009 C

 Techmer Polymer Modifiers - *Polyvinylidene Fluoride*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Mineral
Features	• Low Shrinkage • Low Smoke Emission
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.79		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.021	in/in	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	5400	psi	ASTM D638
Tensile Elongation (Yield)	40	%	ASTM D638
Flexural Modulus	410000	psi	ASTM D790
Flexural Strength	8800	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	2.1	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	104		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	315	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability			
Flame Rating (0.06 in)	V-0		UL 94

