

HiFill® PVDF CF10 BK

 Techmer Polymer Modifiers - *Polyvinylidene Fluoride*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Carbon Fiber, 10% Filler by Weight
Appearance	<ul style="list-style-type: none"> Black
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.76		ASTM D792
Molding Shrinkage - Flow (0.125 in)	9.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Break)	14000	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	875000	psi	ASTM D790
Flexural Strength	19000	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (73°F, 0.125 in)	2.0	ft·lb/in	ASTM D256
Hardness			
Nominal Value Unit Test Method			
Rockwell Hardness (R-Scale)	104		ASTM D785
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (264 psi, Unannealed)	315	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
Flammability			
Nominal Value Unit Test Method			
Flame Rating (0.06 in)	V-0		UL 94

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