

HiFill® PVDF CF30 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
Appearance	<ul style="list-style-type: none"> Black
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.77		ASTM D792
Molding Shrinkage - Flow (0.125 in)	1.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical			
Tensile Strength	20000	psi	ASTM D638
Tensile Elongation (Yield)	1.5	%	ASTM D638
Flexural Modulus	2.50E+6	psi	ASTM D790
Flexural Strength	31000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	106		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	335	°F	ASTM D648
CLTE - Flow	2.5E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0 to 10	ohms·cm	ASTM D257
Flammability			
Flame Rating (0.03 in)	V-0		UL 94

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