

HiFill® PVDF CF15-M BK

 Techmer Polymer Modifiers - *Polyvinylidene Fluoride*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Milled Carbon Fiber, 15% Filler by Weight
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.77		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical			
Tensile Strength (Break)	13500	psi	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	1.24E+6	psi	ASTM D790
Flexural Strength	17000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.6	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	1.0E+6	ohms-cm	ASTM D257
Flammability			
Flame Rating (0.06 in)	V-0		UL 94

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