

HiFill® POM CO GF10 UV BK

 Techmer Polymer Modifiers - *Acetal (POM) Copolymer*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Additive	• UV Stabilizer
Features	• UV Stabilized
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.46		ASTM D792
Molding Shrinkage - Flow (0.125 in)	9.0E-3 to 0.011	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	590000	psi	ASTM D638
Tensile Strength (Yield)	9000	psi	ASTM D638
Tensile Strength (Break)	8500	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.70	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	350 to 390	°F
Middle Temperature	360 to 400	°F
Front Temperature	370 to 410	°F
Nozzle Temperature	375 to 415	°F
Processing (Melt) Temp	350 to 415	°F
Mold Temperature	75 to 150	°F
Injection Rate	Slow	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Slow-Moderate	

