

HiFill® POM CO GF10 CC

 Techmer Polymer Modifiers - *Acetal (POM) Copolymer*
General Information
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.47		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	650000	psi	ASTM D638
Tensile Strength (Yield)	9500	psi	ASTM D638
Tensile Strength (Break)	8700	psi	ASTM D638
Tensile Elongation (Break)	6.3	%	ASTM D638

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	1.0 to 2.0	hr
Rear Temperature	360 to 390	°F
Middle Temperature	370 to 400	°F
Front Temperature	380 to 410	°F
Nozzle Temperature	390 to 420	°F
Processing (Melt) Temp	365 to 420	°F
Mold Temperature	75 to 150	°F
Injection Rate	Moderate	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Slow-Moderate	

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