

**HiFill® POM CO GB30 HF**

 Techmer Polymer Modifiers - *Acetal (POM) Copolymer*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Bead, 30% Filler by Weight
Features	• High Flow
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.62		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.014	in/in	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength	5800	psi	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	500000	psi	ASTM D790
Flexural Strength	10200	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	0.90	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	110		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	322	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	244	°F	ASTM D648
Melting Temperature	330	°F	ISO 11357-3
CLTE - Flow	3.5E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength	450	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating (0.06 in)	HB		UL 94

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
