

HiFill® POM CO GF10 SL2

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

Material Status	• Commercial: Active
Availability	• North America
Features	• Copolymer • Low Extractables • Metal Detectable
Appearance	• Colors Available
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.50		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.012	in/in	ASTM D955
Molding Shrinkage - Across Flow	0.018	in/in	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
Mechanical			
Tensile Strength	8100	psi	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	530000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.2	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	84		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	325	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	290	°F	ASTM D648
Melting Temperature	329	°F	ISO 11357-3
CLTE - Flow	2.1E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+6	ohms·cm	ASTM D257
Dielectric Strength	500	V/mil	ASTM D149
Flammability			
Flame Rating (0.05 in)	HB		UL 94

