

HiFill® POM CO IM MB

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

Material Status	• Commercial: Active
Availability	• North America
Additive	• Impact Modifier
Features	• Copolymer • Impact Modified
Appearance	• Colors Available
Forms	• Pellets

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.41		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018	in/in	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	10000	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength (Yield)	15500	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	2.0	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	116		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	320	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	210	°F	ASTM D648
Melting Temperature	324	°F	
CLTE - Flow	5.5E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+14	ohms-cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	450	V/mil	ASTM D149

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