

Electrafil® POM 04008 mb

Techmer Polymer Modifiers - Acetal (POM) Copolymer

General Information
General

Material Status	• Commercial: Active
Availability	• North America
Features	• Conductive • Copolymer
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.42		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018	in/in	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	8500	psi	ASTM D638
Tensile Elongation (Yield)	30	%	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Flexural Strength	11800	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.1	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	336	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	226	°F	ASTM D648
CLTE - Flow	1.2E-5	in/in/°F	ASTM D696
Electrical			
Surface Resistivity	1.0 to 1.0E+2	ohms	ASTM D257
Volume Resistivity	1.0 to 1.0E+2	ohms·cm	ASTM D257

