

Plaslube® POM HO TL15

Techmer Polymer Modifiers - Acetal (POM) Homopolymer

General Information
General

Material Status	• Commercial: Active
Availability	• North America
Additive	• PTFE Lubricant: 15%
Features	• Homopolymer • Lubricated
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.49		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018	in/in	ASTM D955
Water Absorption (24 hr)	0.17	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Break)	8100	psi	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Flexural Strength	13000	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (73°F, 0.125 in)	0.90	ft-lb/in	ASTM D256
Hardness			
Nominal Value Unit Test Method			
Rockwell Hardness (M-Scale)	92		ASTM D785
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (66 psi, Unannealed)	320	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	200	°F	ASTM D648
Melting Temperature	350	°F	
CLTE - Flow	5.5E-5	in/in/°F	ASTM D696
Electrical			
Nominal Value Unit Test Method			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	450	V/mil	ASTM D149
Flammability			
Nominal Value Unit Test Method			
Flame Rating	HB		UL 94

