

Tenopom® POM B3 M2 NTLA014 PR302 MSP

Acetal (POM) Copolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polyacetal copolymer medium viscosity, lubricated with molybdenum disulfide recommended in cases where creep resistance and dimensional stability is desired. Suitable for injection

General Information			
Additive	Molybdenum Disulfide Lubricant		
Features	Copolymer		
	Good Creep Resistance		
	Good Dimensional Stability		
	Lubricated		
	Medium Viscosity		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>POM<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	8.0 to 10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8 to 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	61.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	160	°C	
1.8 MPa, Unannealed, 6.35 mm	100	°C	
Peak Melting Temperature	170	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dissipation Factor (1 MHz)	6.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	180 to 200	°C
Mold Temperature	70.0 to 80.0	°C

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