

Tenopom® POM B3 TZ MF NTLA010 PR333

MSP

Acetal (POM) Copolymer
Petropol Industry and Trade of Polymers LTDA

Message:
Polyacetal copolymer in color natural, impact modified (Tough), medium viscosity, easy processing, suitable for injection.

General Information			
Additive	Impact Modifier		
Features	Copolymer		
	Good Processability		
	Impact Modified		
	Medium Viscosity		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>POM<		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0 to 12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2 to 1.7	%	ASTM D955
Ash Content	1.4	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	52.0	MPa	ASTM D638
Tensile Elongation (Break)	68	%	ASTM D638
Flexural Modulus	2150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	153	°C	
1.8 MPa, Unannealed	75.0	°C	
Melting Temperature	170 to 180	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+14	ohms · cm	ASTM D257
Dissipation Factor (1 MHz)	5.0E-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	2.0	hr
Processing (Melt) Temp	180 to 200	°C
Mold Temperature	70.0 to 80.0	°C

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