

Tenopom® POM A3 LF PRTA010 PR315

Acetal (POM) Copolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polyacetal copolymer with low viscosity in natural color, easy processing, suitable for injection parts where it needs to be easily completed.

General Information			
Features	Copolymer		
	Good Processability		
	Low Viscosity		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>POM<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	1.0 to 3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8 to 2.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	67.0	MPa	ASTM D638
Tensile Elongation (Break)	78	%	ASTM D638
Flexural Modulus	2780	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	163	°C	
1.8 MPa, Unannealed	94.0	°C	
Peak Melting Temperature	177	°C	ASTM D3418
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	90.0	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	210 to 220	°C
Mold Temperature	80.0 to 90.0	°C

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