

Tenopom® POM A3 HF NTLA010 PR307

Acetal (POM) Homopolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polyacetal homopolymer of low viscosity, easy processing, suitable for injection.

General Information			
Features	Good Processability		
	Homopolymer		
	Low Viscosity		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>POM<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	5.0 to 7.0	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)	41	%	ASTM D638
Flexural Modulus	3150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	73	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	165	°C	
1.8 MPa, Unannealed	100	°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 (1000 GHz)	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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