

Tenopom® POM B3 G25 NTLA010 PR316

Acetal (POM) Copolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polyacetal copolymer natural color with 25% glass fiber, easy processing. Ideal for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Copolymer		
	Good Processability		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>POM GF25<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58 to 1.60	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 to 4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	7600	MPa	ASTM D790
Flexural Strength	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	97	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648
Peak Melting Temperature	164 to 167	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+14	ohms·cm	ASTM D257
Dielectric Strength	600	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	190 to 210	°C	
Mold Temperature	70.0 to 80.0	°C	

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