

Tenopom® POM B3 G20 NTLA010 PR322

Acetal (POM) Copolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polyacetal copolymer natural reinforced with 20% glass fibers, good resistance to oxidation and thermal degradation and excellent dimensional stability.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Copolymer		
	Good Dimensional Stability		
	Good Thermal Stability		
Appearance	Natural Color		
Resin ID (ISO 1043)	>POM GF20<		
Physical	Nominal Value	Unit	Test Method
Density	1.57 to 1.60	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	4.0 to 9.0	g/10 min	ISO 1133
Water Absorption			ISO 62
Saturation, 23°C	0.85	%	
Equilibrium, 23°C, 50% RH	0.19	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2
Tensile Stress (Break)	120	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	35	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	159	°C	ISO 75-2/A
8.0 MPa, Unannealed	105	°C	ISO 75-2/C
Vicat Softening Temperature	157	°C	ISO 306
Melting Temperature	166	°C	ISO 11357-3
Flammability	Nominal Value		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 230	°C	
Mold Temperature	60.0 to 120	°C	

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