

Tenopom® POM B3 G20 PRTA011 PR313

Acetal (POM) Copolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Tenopom® POM B3 G20 PRTA011 PR313 is an Acetal (POM) Copolymer material filled with glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Tenopom® POM B3 G20 PRTA011 PR313 are:

- Flame Rated
- Copolymer
- Fatigue Resistant
- High Flow
- Low Shrinkage

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Copolymer		
	Fatigue Resistant		
	High Flow		
	Low Friction		
	Low Shrinkage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57 to 1.61	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0 to 12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.22	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	8000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	10	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 0.250 mm	165	°C	ASTM D648
1.8 MPa, Unannealed, 0.250 mm	160	°C	ASTM D696
Peak Melting Temperature	165	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257

Dissipation Factor (1.00 GHz)	7.0E-3	ASTM D150
Flammability	Nominal Value	Unit
Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	160 to 190	°C
Mold Temperature	60.0 to 90.0	°C

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Recommended distributors for this material

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