

Tenopom® POM B3 V20 NTLA010 PR326

Acetal (POM) Copolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Polyacetal copolymer in natural color with 20% glass microsphere, easy processing, suitable for injection. Modify for low friction, wear and noise.

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
Features	Copolymer		
	Good Processability		
	Good Wear Resistance		
	Low Friction		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>POM GF20<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80 to 1.1	%	ASTM D955
Ash Content	18 to 22	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5920	MPa	ASTM D638
Tensile Strength	59.0	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	5000	MPa	ASTM D790
Flexural Strength (5.0% Strain)	74.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
	600		
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	169	°C	
1.8 MPa, Unannealed	144	°C	
Melting Temperature	178	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257

Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	18	kV/mm	ASTM D149
Dielectric Constant	3.80		ASTM D150
Dissipation Factor (1 MHz)	6.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	210 to 220	°C	
Mold Temperature	80.0 to 100	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

