

Tecoform® PO30 GB20 NL HS

Acetal (POM) Copolymer
Eurotec Engineering Plastics

Message:
POM, 20% glass bead reinforced, heat stabilized, natural

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Copolymer		
	Heat Stabilized		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	POM GB20		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	1.6	%	
Flow	1.6	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	5.0	kJ/m²	
23°C	6.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	110	°C	ISO 75-2/A
Melting Temperature ¹	165	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.750 mm	HB	
1.60 mm	HB	
Injection	Nominal Value	Unit
Drying Temperature	100 to 120	°C
Drying Time	3.0 to 6.0	hr
Hopper Temperature	30.0 to 50.0	°C
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	60.0 to 120	°C
Injection Rate	Moderate-Fast	
Holding Pressure	80.0 to 100	MPa
Back Pressure	Low	
NOTE		
1.	10 K/min	

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

