

Latan 13 S/20

Acetal (POM) Copolymer

LATI S.p.A.

Message:

Compound based on Polyoximethylene (POM).
Glass beads.
Medium viscosity. Good dimensional stability.

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
Features	Good Dimensional Stability		
	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.9 to 2.1	%	
Flow : 2.00 mm	1.9 to 2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	3100	MPa	
60°C	2000	MPa	
90°C	1200	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	45.0	MPa	
Yield, 60°C	30.0	MPa	
Yield, 90°C	25.0	MPa	
Break, 23°C	45.0	MPa	
Break, 60°C	30.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	8.0	%	
Yield, 60°C	8.0	%	
Yield, 90°C	8.0	%	
Break, 23°C	15	%	
Break, 60°C	70	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	30	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Continuous Use Temperature ²	80.0	°C	
Vicat Softening Temperature	150	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	6.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 210	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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



WECHAT