

Latan 9

Acetal (POM) Copolymer

LATI S.p.A.

Message:

Polyoximethylene (POM).
Unfilled. Medium viscosity. Very good tribological properties.

General Information			
Features	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	2.1 to 2.3	%	
Flow : 2.00 mm	2.0 to 2.3	%	
Water Absorption (23°C, 24 hr)	0.12	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2600	MPa	
60°C	1400	MPa	
90°C	900	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	60.0	MPa	
Yield, 60°C	45.0	MPa	
Yield, 90°C	30.0	MPa	
Break, 23°C	60.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	10	%	
Break, 23°C	50	%	
Break, 60°C	> 100	%	
Break, 90°C	> 100	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	155	°C	ISO 75-2/B

1.8 MPa, Unannealed	115	°C	ISO 75-2/A
Continuous Use Temperature ²	75.0	°C	
Vicat Softening Temperature	150	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Suggested Max Regrind	15	%	
Processing (Melt) Temp	175 to 200	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

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