

LATI Latan 2 POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Polyoxymethylene (POM). Unfilled. High viscosity. Very good tribological properties. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America. Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latan-2-POM.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	
Linear Mold Shrinkage, Flow	0.020 - 0.023 cm/cm	0.020 - 0.023 in/in	
Linear Mold Shrinkage, Transverse	0.0205 - 0.0225 cm/cm	0.0205 - 0.0225 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
Elongation at Break	80 % @Temperature 23.0 Â°C	80 % @Temperature 73.4 Â°F	
	>= 100 % @Temperature 60.0 Â°C	>= 100 % @Temperature 140 Â°F	
	>= 100 % @Temperature 90.0 Â°C	>= 100 % @Temperature 194 Â°F	
Elongation at Yield	10 %	10 %	
Tensile Modulus	1.00 GPa @Temperature 90.0 Â°C	145 ksi @Temperature 194 Â°F	
	1.50 GPa @Temperature 60.0 Â°C	218 ksi @Temperature 140 Â°F	
	2.60 GPa @Temperature 23.0 Â°C	377 ksi @Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB	NB	

Charpy Impact, Notched Mechanical Properties	0.800 J/cm ² Metric	3.81 ft-lb/in ² English	Comments
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Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 Â°C	167 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	155 Â°C	311 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 Â°F	
Vicat Softening Point	150 Â°C @Load 5.00 kg	302 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	175 - 200 Â°C	347 - 392 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	80.0 - 90.0 Â°C @Time 10800 sec	176 - 194 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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