

LATI Latan 9 POM

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

Material Notes:

Polyoxymethylene (POM). Unfilled. Medium 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-9-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	60.0 MPa	8700 psi	
Elongation at Break	50 %	50 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Elongation at Yield	10 %	10 %	
Tensile Modulus	0.900 GPa	131 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.40 GPa	203 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.60 GPa	377 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB	NB	

Mechanical Properties	@Temperature 23.0 Metric °C	@Temperature 73.4 °F English °F	Comments
	NB	NB	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.700 J/cm ²	3.33 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	
Deflection Temperature at 0.46 MPa (66 psi)	155 °C	311 °F	
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	
Vicat Softening Point	150 °C	302 °F	
	@Load 5.00 kg	@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 °C	347 - 392 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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