

LATI Laticonther 82 CP1/800 PA12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

High thermal conductivity product based on Polyamide 12 (PA12). Special fillerAvailability: Africa & Middle East; Asia Pacific; Europe; Latin America; North AmericaInformation provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Laticonther-82-CP1800-PA12.php

Physical Properties	Metric	English	Comments
Density	2.14 g/cc	0.0773 lb/in ³	
Linear Mold Shrinkage, Flow	0.0025 - 0.0055 cm/cm	0.0025 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0025 - 0.0055 cm/cm	0.0025 - 0.0055 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	0.60 %	0.60 %	
Tensile Modulus	12.8 GPa	1860 ksi	
Charpy Impact Unnotched	0.500 J/cm ²	2.38 ft-lb/in ²	
Charpy Impact, Notched	0.150 J/cm ²	0.714 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	9.50 W/m-K	65.9 BTU-in/hr-ft ² - °F	Longitudinal
Deflection Temperature at 0.46 MPa (66 psi)	170 °C	338 °F	
Deflection Temperature at 1.8 MPa (264 psi)	150 °C	302 °F	
Vicat Softening Point	180 °C @Load 5.00 kg	356 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	70.0 - 90.0 °C	158 - 194 °F	

Processing Properties	@Time 10800 sec Metric	@Time 3.00 hour English	Comments
Descriptive Properties		Value	Comments
ISO Shrinkage - Pressure		60 MPa	

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