

LATI Latamid 12 CP/85 PA 12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Polyamide 12 (PA12) based compound. Special filler. 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-Latamid-12-CP85-PA-12.php

Physical Properties	Metric	English	Comments
Density	3.23 g/cc	0.117 lb/in ³	
Linear Mold Shrinkage, Flow	0.0065 - 0.0085 cm/cm	0.0065 - 0.0085 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0085 cm/cm	0.0065 - 0.0085 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa @Temperature 23.0 °C	5080 psi @Temperature 73.4 °F	
Elongation at Break	0.80 % @Temperature 23.0 °C	0.80 % @Temperature 73.4 °F	
Tensile Modulus	9.00 GPa @Temperature 23.0 °C	1310 ksi @Temperature 73.4 °F	
Charpy Impact Unnotched	1.00 J/cm ²	4.76 ft-lb/in ²	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °F	
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	
Vicat Softening Point	160 °C @Load 5.00 kg	320 °F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric ^{70 Å C}	English ^{18 Å F}	Comments
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	
Drying Temperature	70.0 - 90.0 Å°C @Time 10800 sec	158 - 194 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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