

LATI Latamid 12 H FE90 PA 12, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Polyamide 12 (PA12) based compound. Heat stabilized. Magnetizable 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-H-FE90-PA-12-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	3.27 g/cc	0.118 lb/in ³	
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	1.0 % @Temperature 23.0 Â°C	1.0 % @Temperature 73.4 Â°F	
Tensile Modulus	9.00 GPa	1310 ksi	
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 Â°C	230 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	150 Â°C	302 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	95.0 Â°C	203 Â°F	
Vicat Softening Point	160 Â°C @Load 5.00 kg	320 Â°F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Thermal Properties	Metric	English	Comments
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Electrical Properties	Metric	English	Comments
Magnetic Maximum Energy Product, BH	0.40 MGOe	0.40 MGOe	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 Â°C	482 - 518 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	70.0 - 90.0 Â°C @Time 10800 sec	158 - 194 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
Coercivity (BHc - HcB) @ 20Â°C	95 kA/m	
Intrinsic coercivity (IHc - HcJ) @ 20Â°C	250 kA/m	
ISO Shrinkage - Pressure	60 MPa	
Remanence (Br)	125 mT	

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