

LATI Latene® 11 MDT05-01 PP Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Polypropylene homopolymer (PPH) based compound. Magnetic detectable 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-Latene-11-MDT05-01-PP-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	
Linear Mold Shrinkage, Flow	0.016 - 0.018 cm/cm	0.016 - 0.018 in/in	
Linear Mold Shrinkage, Transverse	0.016 - 0.018 cm/cm	0.016 - 0.018 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	
Elongation at Break	9.0 % @Temperature 23.0 °C	9.0 % @Temperature 73.4 °F	
Elongation at Yield	5.0 %	5.0 %	
Tensile Modulus	1.90 GPa @Temperature 23.0 °C	276 ksi @Temperature 73.4 °F	
Charpy Impact Unnotched	2.00 J/cm ² @Temperature 23.0 °C	9.52 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.250 J/cm ² @Temperature 23.0 °C	1.19 ft-lb/in ² @Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	
	95.0 °C	203 °F	

Vicat Softening Point Thermal Properties	Metric @Load 5.00 kg	English @Load 11.0 lb	Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 Â°C	356 - 428 Â°F	
Mold Temperature	30.0 - 50.0 Â°C	86.0 - 122 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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