

LATI Latene® AG9H MI/40 PP Homopolymer, 40% Mica Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Mica Filler

Material Notes:

Polypropylene homopolymer (PPh) based compound. Chemical grafting Heat stabilized. Mica 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-AG9H-MI40-PP-Homopolymer-40-Mica-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Linear Mold Shrinkage, Flow	0.0080 - 0.0105 cm/cm	0.0080 - 0.0105 in/in	
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.00 MPa	725 psi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	15.0 MPa	2180 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	25.0 MPa	3630 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	3.0 %	3.0 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	5.0 %	5.0 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	20 %	20 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Elongation at Yield	2.0 %	2.0 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	3.0 %		

Mechanical Properties	Metric	English	Comments
	@Temperature 60.0 Â°C	3.0 % @Temperature 140 Â°F	
	3.5 % @Temperature 90.0 Â°C	3.5 % @Temperature 194 Â°F	
Tensile Modulus	1.20 GPa @Temperature 90.0 Â°C	174 ksi @Temperature 194 Â°F	
	2.50 GPa @Temperature 60.0 Â°C	363 ksi @Temperature 140 Â°F	
	4.20 GPa @Temperature 23.0 Â°C	609 ksi @Temperature 73.4 Â°F	
Charpy Impact Unnotched	0.800 J/cmÂ² @Temperature -20.0 Â°C	3.81 ft-lb/inÂ² @Temperature -4.00 Â°F	
	1.00 J/cmÂ² @Temperature 23.0 Â°C	4.76 ft-lb/inÂ² @Temperature 73.4 Â°F	
Charpy Impact, Notched	0.100 J/cmÂ² @Temperature -20.0 Â°C	0.476 ft-lb/inÂ² @Temperature -4.00 Â°F	
	0.150 J/cmÂ² @Temperature 23.0 Â°C	0.714 ft-lb/inÂ² @Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	125 Â°C	257 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	100 Â°C	212 Â°F	
Vicat Softening Point	110 Â°C	230 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 Â°C	392 - 464 Â°F	

Processing Properties	Metric	English	Comments
Mold Temperature	40.0 - 60.0 Å°C	104 - 140 Å°F	
Drying Temperature	80.0 - 90.0 Å°C @Time 10800 sec	176 - 194 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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