

LATI Latene® 7H2W TR/40 PP Homopolymer, Mineral Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

Polypropylene homopolymer (PPh) based compound. Heat stabilized. Metal stabilized. Mineral 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-7H2W-TR40-PP-Homopolymer-Mineral-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	
Linear Mold Shrinkage, Flow	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	
Linear Mold Shrinkage, Transverse	0.0085 - 0.0105 cm/cm	0.0085 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.0 MPa	1890 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	
	35 %	35 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Elongation at Yield	2.5 %	2.5 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	3.4 %	3.4 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	4.6 %		

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Tensile Modulus	1.00 GPa	145 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.20 GPa	609 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.90 GPa	711 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
Charpy Impact Unnotched	2.00 J/cmÂ²	9.52 ft-lb/inÂ²	
Charpy Impact, Notched	0.200 J/cmÂ²	0.952 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 Â°C	167 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	135 Â°C	275 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	90.0 Â°C	194 Â°F	
Vicat Softening Point	100 Â°C	212 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 Â°C	392 - 464 Â°F	
Mold Temperature	40.0 - 60.0 Â°C	104 - 140 Â°F	
Drying Temperature	80.0 - 90.0 Â°C	176 - 194 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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