

LATI Latene® 7H2W T-V0 PP Homopolymer, Mineral Reinforced, Heat Stabilized, Flame Retardant

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

Material Notes:

Polypropylene homopolymer (PPh) based compound. Heat stabilized. Metal stabilized. Mineral filler. UL94 V-0 classified, with brominated flame retardants. 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-T-V0-PP-Homopolymer-Mineral-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.0075 - 0.010 cm/cm	0.0075 - 0.010 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	7.00 MPa	1020 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	10.0 MPa	1450 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	15.0 MPa	2180 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	8.0 %	8.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	12 %	12 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	20 %	20 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	2.5 %	2.5 %	
	@Temperature 23.0 °C		

Mechanical Properties	Metric	English	Comments
	6.0 %	6.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	6.5 %	6.5 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Tensile Modulus	0.950 GPa	138 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	1.35 GPa	196 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.20 GPa	464 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	0.750 J/cmÂ²	3.57 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	2.50 J/cmÂ²	11.9 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.240 J/cmÂ²	1.14 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 Â°C	221 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	120 Â°C	248 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Â°C	140 Â°F	
Vicat Softening Point	75.0 Â°C	167 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
	V-0	V-0	

Thermal Properties	Metric	English	Comments
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	26 %	26 %	
Glow Wire Test	750 Â°C	1380 Â°F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	750 Â°C	1380 Â°F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 Â°C	356 - 428 Â°F	
Mold Temperature	20.0 - 40.0 Â°C	68.0 - 104 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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