

LATI Latene[®] 7H2W T-V0E 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, PBB/PBDE free. 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-V0E-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 - 0.0095 cm/cm	0.0075 - 0.0095 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	10.0 MPa	1450 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	15.0 MPa	2180 psi	
Elongation at Break	@Temperature 60.0 °C	@Temperature 140 °F	
	25.0 MPa	3630 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	3.7 %	3.7 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	6.0 %	6.0 %	
Elongation at Yield	@Temperature 60.0 °C	@Temperature 140 °F	
	10 %	10 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	2.3 %	2.3 %	
	@Temperature 23.0		

Mechanical Properties	°C Metric	@Temperature 73.4 °F English	Comments
	5.5 %	5.5 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	6.5 %	6.5 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	1.00 GPa	145 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	1.45 GPa	210 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	3.50 GPa	508 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	0.650 J/cm ²	3.09 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	2.00 J/cm ²	9.52 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.230 J/cm ²	1.09 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.250 J/cm ²	1.19 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	
Vicat Softening Point	70.0 °C	158 °F	
	@Load 5.00 kg	@Load 11.0 lb	
	V-0	V-0	

Thermal Properties	Metric	English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	5VB	5VB	
	@Thickness 3.00 mm	@Thickness 0.118 in	
Oxygen Index	27 %	27 %	
Glow Wire Test	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	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China