

LATI Latene® EP 7-V2HF PP Copolymer, Flame Retardant

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

Material Notes:

Polypropylene copolymer (PPc) based compound. UL94 V-2 classified, halogens-based flame retardants and red phosphorous 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-EP-7-V2HF-PP-Copolymer-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	
Linear Mold Shrinkage, Flow	0.0135 - 0.0165 cm/cm	0.0135 - 0.0165 in/in	
Linear Mold Shrinkage, Transverse	0.0135 - 0.0165 cm/cm	0.0135 - 0.0165 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.00 MPa	1160 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	10.0 MPa	1450 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	12.0 MPa	1740 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	>= 100 %	>= 100 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	5.7 %	5.7 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	7.0 %		

Mechanical Properties	Metric	English	Comments
	@Temperature 60.0 °C	7.0 % @Temperature 140 °F	
	7.5 % @Temperature 90.0 °C	7.5 % @Temperature 194 °F	
Tensile Modulus	0.350 GPa @Temperature 90.0 °C	50.8 ksi @Temperature 194 °F	
	0.550 GPa @Temperature 60.0 °C	79.8 ksi @Temperature 140 °F	
	1.20 GPa @Temperature 23.0 °C	174 ksi @Temperature 73.4 °F	
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °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	
Vicat Softening Point	75.0 °C @Load 5.00 kg	167 °F @Load 11.0 lb	
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	
	V-2 @Thickness 1.50 mm	V-2 @Thickness 0.0591 in	
	V-2 @Thickness 0.750 mm	V-2 @Thickness 0.0295 in	
Oxygen Index	26 %	26 %	
Glow Wire Test	750 °C @Thickness 1.00 mm	1380 °F @Thickness 0.0394 in	GWIT
	775 °C	1430 °F	

Thermal Properties	Metric	English	GWFI/GWT Comments
	850 Â°C @Thickness 2.00 mm	1560 Â°F @Thickness 0.0787 in	GWFI/GWT
	960 Â°C @Thickness 2.00 mm	1760 Â°F @Thickness 0.0787 in	GWFI/GWT

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

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 200 Â°C	356 - 392 Â°F	
Mold Temperature	20.0 - 40.0 Â°C	68.0 - 104 Â°F	
Drying Temperature	70.0 - 90.0 Â°C @Time 10800 sec	158 - 194 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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