

LATI Latiblend 7587 E61-V0 PBT/PC, Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Blend based on Polybutylene Terephthalate (PBT) / Polycarbonate (PC). Toughened. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free. Very high dimensional stability. High impact resistance. 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-Latiblend-7587-E61-V0-PBTPC-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	
Linear Mold Shrinkage, Flow	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	
Linear Mold Shrinkage, Transverse	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	30.0 MPa	4350 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	20 %	20 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	75 %	75 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	>= 100 %	>= 100 %	
	@Temperature 120 °C	@Temperature 248 °F	
Elongation at Yield	5.0 %	5.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	>= 10 %	>= 10 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	>= 10 %	>= 10 %	

Mechanical Properties	@Temperature 90.0 °C Metric	@Temperature 194 °F English	Comments
	>= 10 %	>= 10 %	
	@Temperature 120 °C	@Temperature 248 °F	
Tensile Modulus	1.00 GPa	145 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	1.20 GPa	174 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	1.40 GPa	203 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	1.90 GPa	276 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	
Vicat Softening Point	120 °C	248 °F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 15.0 mm	@Thickness 0.591 in	
Oxygen Index	29 %	29 %	
Glow Wire Test	960 °C	1760 °F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 °C	1760 °F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	200 V	200 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	120 - 130 °C @Time 10800 sec	248 - 266 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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