

Latiblend 7587 E61-V0

Polycarbonate + PBT

LATI S.p.A.

Message:

Compound based on Polybutylene Terephthalate (PBT)/Polycarbonate (PC).

Toughened. UL94 V-0 classified.

Very high dimensional stability. Very high impact resistance.

General Information			
Additive	Impact Modifier		
Features	Good Dimensional Stability		
	Impact Modified		
	Ultra High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.1 to 1.4	%	
Flow : 2.00 mm	1.2 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	1900	MPa	
60°C	1400	MPa	
90°C	1200	MPa	
120°C	1000	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	35.0	MPa	
Yield, 60°C	25.0	MPa	
Yield, 90°C	22.0	MPa	
Yield, 120°C	20.0	MPa	
Break, 23°C	30.0	MPa	
Break, 60°C	20.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	5.0	%	
Yield, 60°C	15	%	
Yield, 90°C	25	%	
Yield, 120°C	50	%	
Break, 23°C	20	%	
Break, 60°C	75	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	No Break		ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Continuous Use Temperature ²	130	°C	
Vicat Softening Temperature	120	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.0E-6	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Oxygen Index	29	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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