Latene® EP 7-V2HF

Polypropylene Copolymer

LATI S.p.A.

Message:

Polypropylene copolymer (PPc) based compound.
UL94 V-2 classified, halogens-based flame retardants and red phosphorous free.

General Information	
Additive	Flame Retardant
Features	Flame Retardant
	Halogenated
	Low (to None) Phosphorus Content

Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	1.4 to 1.7	%	
Flow : 2.00 mm	1.4 to 1.7	%	
Water Absorption (23°C, 24 hr)	0.080	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	1200	MPa	
60°C	550	MPa	
90°C	350	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	22.0	MPa	
Yield, 60°C	12.0	MPa	
Yield, 90°C	7.00	MPa	
Break, 23°C	12.0	MPa	
Break, 60°C	10.0	MPa	
Break, 90°C	8.00	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	5.7	%	
Yield, 60°C	7.0	%	
Yield, 90°C	7.5	%	
Break, 23°C	> 100	%	
Break, 60°C	> 100	%	
Break, 90°C	> 100	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	75	kJ/m^2	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Continuous Use Temperature [2]	60.0	°C	
Vicat Softening Temperature	75.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	5.5E-5	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.750 mm	V-0		
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	850	°C	
2.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	750	°C	
2.00 mm	775	°C	
Oxygen Index	26	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 200	°C	
Mold Temperature	20.0 to 40.0	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

Recommended distributors for this material

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