

Latene® 7H2W T-V0

Polypropylene Homopolymer

LATI S.p.A.

Message:

Compound based on Polypropylene homopolymer (PPh).

Heat and metal stabilised. Mineral filler. UL94 V-0 classified, with halogens. Product UL certified.

General Information			
UL YellowCard	E54080-244068		
Filler / Reinforcement	Mineral		
Additive	Flame Retardant		
	Heat Stabilizer		
	Metal Deactivator		
Features	Flame Retardant		
	Halogenated		
	Heat Stabilized		
	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.70 to 1.0	%	
Flow : 2.00 mm	0.75 to 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	3200	MPa	
60°C	1350	MPa	
90°C	950	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	25.0	MPa	
Yield, 60°C	20.0	MPa	
Yield, 90°C	10.0	MPa	
Break, 23°C	15.0	MPa	
Break, 60°C	10.0	MPa	
Break, 90°C	7.00	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	2.5	%	
Yield, 60°C	6.0	%	
Yield, 90°C	7.0	%	

Break, 23°C	8.0	%	
Break, 60°C	12	%	
Break, 90°C	20	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.4	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	7.5	kJ/m ²	
23°C	25	kJ/m ²	
Notched Izod Impact (23°C, 3.20 mm)	25	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Continuous Use Temperature ²	105	°C	
Vicat Softening Temperature	75.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (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	960	°C	
2.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	750	°C	
2.00 mm	750	°C	
Oxygen Index	26	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 220	°C	
Mold Temperature	20.0 to 40.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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