

Latene® 7H2W-V0

Polypropylene Homopolymer

LATI S.p.A.

Message:

Compound based on Polypropylene homopolymer (PPh).

Heat and metal stabilised. UL94 V-0 classified, halogens and red phosphorous free. Product UL certified.

Low smoke toxicity index and optical density.

General Information			
UL YellowCard	E54080-244070		
Additive	Heat Stabilizer		
	Metal Deactivator		
Features	Halogen Free		
	Homopolymer		
	Low (to None) Phosphorus Content		
	Low Optical Density		
	Low Smoke Emission		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.2 to 1.5	%	
Flow : 2.00 mm	1.2 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	1200	MPa	
60°C	650	MPa	
90°C	350	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	20.0	MPa	
Yield, 60°C	10.0	MPa	
Yield, 90°C	7.00	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	6.0	%	
Yield, 60°C	6.0	%	
Yield, 90°C	6.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	0.80	kJ/m ²	
23°C	1.5	kJ/m ²	

Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	20	kJ/m²	
23°C	No Break		
Notched Izod Impact (23°C, 3.20 mm)	20	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Continuous Use Temperature ²	100	°C	
Vicat Softening Temperature	100	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-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-2		
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	825	°C	
2.00 mm	825	°C	
Oxygen Index	33	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 210	°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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