

Latene® 7H2W TR/40

Polypropylene Homopolymer

LATI S.p.A.

Message:

Compound based on Polypropylene homopolymer (PPh).

Heat and metal stabilised. Mineral filler. Product UL certified.

General Information			
UL YellowCard	E54080-303863		
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Heat Stabilizer		
	Metal Deactivator		
Features	Heat Stabilized		
	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.85 to 1.1	%	
Flow : 2.00 mm	0.90 to 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	4200	MPa	
60°C	1900	MPa	
90°C	1000	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	25.0	MPa	
Yield, 60°C	10.0	MPa	
Yield, 90°C	8.00	MPa	
Break, 23°C	25.0	MPa	
Break, 60°C	13.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	2.5	%	
Yield, 60°C	3.4	%	
Yield, 90°C	4.6	%	
Break, 23°C	3.0	%	
Break, 60°C	35	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	30	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Continuous Use Temperature ²	75.0	°C	
Vicat Softening Temperature	100	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	6.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 240	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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