

Lastane 50 G/25

Polyurethane

LATI S.p.A.

Message:

Compound based on Polyurethane (PUR).

Glass fibres.

Very good noise reduction. Good impact resistance even at low temperature.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Good Impact Resistance		
	Low Temperature Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.35 to 0.50	%	
Flow : 2.00 mm	0.25 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1000	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	25.0	MPa	
Break, 23°C	45.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	35	%	
Break, 23°C	50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	50	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)	650	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	165	°C	ISO 75-2/B
CLTE - Flow (30 to 100°C)	8.0E-6	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ² (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	20.0 to 40.0	°C	

Injection Rate	Moderate
NOTE	
1.	at 60 Mpa of cavity pressure
2.	Without Surfactant

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