

Lastilac MR MDT05-01

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

Acrylonitrile-Butadiene-Styrene copolymer (ABS) based compound.

Magnetic detectable filler. High dimensional stability.

General Information			
Filler / Reinforcement	Filler		
Features	Good Dimensional Stability		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.30 to 0.50	%	
Flow : 2.00 mm	0.30 to 0.50	%	
Water Absorption (23°C, 24 hr)	0.030	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	100	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	20.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	8.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	80.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.0E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Rate	Fast		
NOTE			
1.	60 MPa		

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