

Latistat 36/MR-04

Acrylonitrile Butadiene Styrene
LATI S.p.A.

Message:
Dissipative product based on Acrylonitrile-Butadiene-Styrene copolymer (ABS).

General Information			
Features	Copolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.60 to 0.80	%	
Flow : 2.00 mm	0.55 to 0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3100	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	40.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	2.0	%	
Break, 23°C	2.5	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.2	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	50	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+3	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		

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