

Silamid® M30

Polyamide 6
Roonamid a.s.

Message:

Polyamide 6, filled with 30% micromilled mineral filler, increased rigidity, shape stability, uniform shrinkage, optimal flow properties, natural, other color shades according to customer's requests. Material for production of technical mouldings.

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Features	Good Dimensional Stability		
	Good Flow		
	High Rigidity		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Molding Shrinkage			
Across Flow	1.2	%	
Flow	1.1	%	
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Flexural Modulus	3500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	< 80.0	°C	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	240 to 250	°C	
Mold Temperature	60.0 to 80.0	°C	

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Recommended distributors for this material

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