

ECOMID B

Polyamide 6
Nilit Plastics

Message:

ECOMID® A is an unfilled Polyamide 6 (Nylon 6) compound.
This eco friendly compound is intended for injection molding.
ECOMID® A is primarily designed for the Automotive industry.

General Information			
Recycled Content	Yes		
Uses	Automotive Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	2.1	%	
Flow : 25°C	2.1	%	
Water Absorption			ISO 62
23°C, 24 hr	3.0	%	
Saturation, 23°C	9.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2900	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	75.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Continuous Use Temperature ¹	80.0	°C	IEC 60216
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Flammability Index			IEC 60695-2-12
0.800 mm	750	°C	

3.20 mm	750	°C
NOTE		

1. 20000 hrs

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Recommended distributors for this material

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