

ECOMID A GF30

Polyamide 66

Nilit Plastics

Message:

ECOMID® A GF30 is a Polyamide 66 (Nylon 66) compound, 30% glass fiber reinforced.

This eco friendly compound, is intended for injection molding.

ECOMID® A GF30 is primarily designed for the Automotive industry.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Recycled Content	Yes		
Uses	Automotive Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	1.1	%	
Flow : 25°C	0.40	%	
Water Absorption			ISO 62
23°C, 24 hr	1.9	%	
Saturation, 23°C	6.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	135	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	6.0	%	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)	35	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	5.5	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	250	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	°C	ISO 75-2/A
Continuous Use Temperature ¹	110	°C	IEC 60216
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index	500	V	IEC 60112
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	650	°C
3.20 mm	650	°C
NOTE		
1.	20000 hrs	

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