

ALTECH® PA66 A 2050/109 GF50

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH® PA66 A 2050/109 GF50 is a polyamide 66 (nylon 66) product, which contains a filler of 50% glass fiber reinforcement. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	4.0	%	ISO 62
Equilibrium, 23°C, 50% RH	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15500	MPa	ISO 527-2
Tensile Stress (Break)	215	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	15000	MPa	ISO 178
Flexural Stress	330	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	80	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (0.75 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	2.0 - 12	hr	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80 - 120	°C	

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Recommended distributors for this material

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