

ALTECH® PP-H A 2050/500 GF50

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH®PP-H A 2050/500 GF50 is a polypropylene homopolymer (PP Homopoly) product, and the filler is 50% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: architectural applications.

Features include:

Comply with REACH standard

ROHS certification

Low emissions

Homopolymer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Features	Low volatilization		
	Homopolymer		
Uses	Building materials		
	Architectural application field		
	Doors and Windows		
	Profile		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2
Tensile Stress	55.0	MPa	ISO 527-2
Tensile Strain (Break)	1.0	%	ISO 527-2
Flexural Modulus	8600	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	7.0	kJ/m ²	ISO 179/1eA
-40°C	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	11	kJ/m ²	ISO 179/1eU
-40°C	11	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature	112	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	80 - 120	°C	
Hot air dryer	80 - 120	°C	
Drying Time			
Dehumidification desiccant	2.0 - 4.0	hr	
Hot air dryer	2.0 - 3.0	hr	
Processing (Melt) Temp	200 - 270	°C	
Mold Temperature	20 - 90	°C	

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