

ALTECH® PP-H B 2015/150.01 GF15

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH®PP-H B 2015/150.01 GF15 is a polypropylene homopolymer (PP Homopoly) product, which contains a 15% glass fiber reinforced material. It is available in North America, Europe or Asia Pacific. ALTECH®The application areas of PP-H B 2015/150.01 GF15 include housing, furniture, household applications and sporting goods.

Features include:

Comply with REACH standard

ROHS certification

Chemical coupling

Homopolymer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Chemical coupling		
	Homopolymer		
Uses	Furniture		
	Household goods		
	Sporting goods		
	Shell		
	Profile		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	8.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ISO 527-2
Tensile Stress	67.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	9.0	kJ/m ²	ISO 179/1eA
-40°C	7.0	kJ/m ²	ISO 179/1eA
-20°C	6.0	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength			ISO 179/1eU
--	42	kJ/m ²	ISO 179/1eU
-40°C	13	kJ/m ²	ISO 179/1eU
-20°C	15	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	142	°C	ISO 75-2/A
Vicat Softening Temperature	127	°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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