

ALTECH® PP-H A 2030/169 GF30 CP

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH®PP-H A 2030/169 GF30 CP is a polypropylene homopolymer (PP Homopoly) product, which contains a 30% 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: housing.

Features include:

flame retardant/rated flame

Comply with REACH standard

ROHS certification

high liquidity

Chemical coupling

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
Features	Chemical coupling		
	Homopolymer		
	High liquidity		
	Thermal Stability		
Uses	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	18.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2
Tensile Stress (Break)	95.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	5500	MPa	ISO 178
Flexural Stress	120	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
--	50	kJ/m ²	ISO 179/1eU

-40°C	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.75 mm	HB		UL 94
1.5 mm	HB		UL 94
3.0 mm	HB		UL 94
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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