

ALTECH® PP-H A 2030/159 GF30 CP

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH® PP-H A 2030/159 GF30 CP is a Polypropylene Homopolymer (PP Homopolymer) product filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Chemically Coupled
- Good Toughness

General Information			
UL YellowCard	E80168-100058211		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
	High Stiffness		
	Homopolymer		
	Ultra High Toughness		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	2.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	85.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ISO 527-2
Tensile Stress (Break)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	50	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	10	kJ/m²	ISO 180/1A

Unnotched Izod Impact Strength	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Glow Wire Flammability Index (1.00 mm)	750	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	80.0 to 120	°C	
Desiccant Dryer	80.0 to 120	°C	
Drying Time			
Circulation Dryer	2.0 to 4.0	hr	
Desiccant Dryer	2.0 to 3.0	hr	
Processing (Melt) Temp	200 to 270	°C	
Mold Temperature	20.0 to 90.0	°C	

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