ALTECH® NXT PP-H A 2030/451 GF30 IM

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH® NXT PP-H A 2030/451 GF30 IM is a Polypropylene Homopolymer (PP Homopolymer) product filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALTECH® NXT PP-H A 2030/451 GF30 IM include automotive and engineering/industrial parts.
Characteristics include:
Flame Rated
REACH Compliant
RoHS Compliant
Chemically Coupled
Good Toughness

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer Impact Modifier		
Features	Chemically Coupled Heat Stabilized High Stiffness Homopolymer Impact Modified Ultra High Toughness		
Uses	Automotive Applications Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.12	g/cm³	ISO 1183
Spiral Flow [1]	30.0	cm	
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.50	%	
Flow : 24 hr	0.30	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6300	MPa	ISO 527-2
Tensile Stress (Break)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	5200	MPa	ISO 178
Flexural Stress	115	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	10	kJ/m²	
-40°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	45	kJ/m²	
-40°C	30	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 3.0	hr	
Processing (Melt) Temp	200 to 270	°C	
Mold Temperature	20.0 to 90.0	°C	
NOTE			
1.	1 mm		

Recommended distributors for this material

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