

ALTECH® NXT PP-H A 2050/450 GF50 CP

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH® NXT PP-H A 2050/450 GF50 CP is a Polypropylene Homopolymer (PP Homopolymer) product filled with 50% glass fiber. It is available in Asia Pacific, Europe, or North America. Typical application: Automotive.

Characteristics include:

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

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
	High Stiffness		
	Homopolymer		
	Ultra High Toughness		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.50 to 0.90	%	
Flow : 24 hr	0.20 to 0.50	%	
Spiral Flow			
1.00 mm	200	mm	
2.00 mm	400	mm	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	10	kJ/m ²	

-40°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	45	kJ/m ²	
-40°C	35	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	145	°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	

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