

ALTECH® NXT PP-H A 2030/456 LE GF30 CP

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH®NXT PP-H A 2030/456 LE GF30 CP is a polypropylene homopolymer (PP Homopoly) product, which contains 30% glass fiber reinforcement. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: automotive industry.

Features include:

flame retardant/rated flame

Comply with REACH standard

ROHS certification

High stiffness

Chemical coupling

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	heat stabilizer		
Features	Rigidity, high		
	Chemical coupling		
	Homopolymer		
	Thermal Stability		
	Good toughness		
Uses	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Spiral Flow ¹	30.0	cm	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7150	MPa	ISO 527-2
Tensile Stress (Break)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	5750	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	8.0	kJ/m ²	ISO 179/1eA
-40°C	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	40	kJ/m ²	ISO 179/1eU
-40°C	30	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	154	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.5 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	2.0 - 3.0	hr	
Processing (Melt) Temp	200 - 270	°C	
Mold Temperature	20 - 90	°C	
NOTE			
1.	1 mm		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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