

ALTECH® NXT PP-H A 2040/456.01 LE GF40 CP

Polypropylene Homopolymer
ALBIS PLASTIC GmbH

Message:

ALTECH®NXT PP-H A 2040/456.01 LE GF40 CP is a polypropylene homopolymer (PP Homopoly) product containing 40% 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
Low emissions
High stiffness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Additive	heat stabilizer		
Features	Low volatilization		
	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	1.21	g/cm ³	ISO 1183
Spiral Flow			
-- ¹	20.0	cm	
-- ²	60.0	cm	
Molding Shrinkage			ISO 294-4
Lateral flow: 24 hours	0.30 - 0.40	%	ISO 294-4
Traffic: 24 hours	0.20 - 0.30	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9400	MPa	ISO 527-2
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	8250	MPa	ISO 178

Flexural Stress	150	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
--	45	kJ/m ²	ISO 179/1eU
-40°C	40	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	143	°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		
2.	2 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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