

ALTECH® PP-B B 4430/500 MR30

Polypropylene Copolymer

ALBIS PLASTIC GmbH

Message:

ALTECH®PP-B B 4430/500 MR30 is a polypropylene copolymer (PP Copoly) product, which contains 30% mineral fillers. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALTECH®The application fields of PP-B B 4430/500 MR30 include construction application, housing, engineering/industrial accessories and automobile industry.

Features include:

Comply with REACH standard

ROHS certification

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Uses	Building materials		
	Architectural application field		
	Accessories		
	Application in Automobile Field		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	9.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress	15.0	MPa	ISO 527-2
Tensile Strain (Break)	90	%	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	16	kJ/m ²	ISO 179/1eA
-40°C	3.0	kJ/m ²	ISO 179/1eA
-20°C	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		ISO 179/1eU
-40°C	20	kJ/m ²	ISO 179/1eU

-20°C	26	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	60.0	°C	ISO 306/B50
--	64.0	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	60 - 90	°C	
Hot air dryer	60 - 90	°C	
Drying Time			
Dehumidification desiccant	2.0 - 4.0	hr	
Hot air dryer	2.0 - 4.0	hr	
Processing (Melt) Temp	200 - 270	°C	
Mold Temperature	20 - 70	°C	

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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

