

ALTECH® PP-B A 4920/510 MR20 IM

Polypropylene Copolymer

ALBIS PLASTIC GmbH

Message:

ALTECH® PP-B A 4920/510 MR20 IM is a Polypropylene Copolymer (PP Copolymer) product filled with 20% talc. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

Copolymer

Heat Resistant

Heat Stabilizer

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Copolymer		
	Good Heat Aging Resistance		
	Heat Stabilized		
	Impact Modified		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	25.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress (Break)	15.0	MPa	ISO 527-2
Tensile Strain (Break)	100	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Flexural Stress	20.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	55	kJ/m²	
-40°C	5.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU

--	No Break		
-40°C	85	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	54.0	°C	ISO 75-2/A
Vicat Softening Temperature	123	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	80.0 to 120	°C	
Desiccant Dryer	80.0 to 100	°C	
Drying Time			
Circulation Dryer	2.0 to 4.0	hr	
Desiccant Dryer	2.0 to 3.0	hr	
Processing (Melt) Temp	200 to 280	°C	
Mold Temperature	20.0 to 80.0	°C	

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