

ALTECH® PP-H A 4920/200 TV20

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH® PP-H A 4920/200 TV20 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% talc. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® PP-H A 4920/200 TV20 include engineering/industrial parts and housings.

Characteristics include:

REACH Compliant

RoHS Compliant

Homopolymer

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Homopolymer		
Uses	Housings		
	Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress	30.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	48.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	3.0	kJ/m²	
-40°C	1.0	kJ/m²	
-20°C	2.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	30	kJ/m²	
-40°C	11	kJ/m²	
-20°C	11	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	64.0	°C	ISO 75-2/A

Vicat Softening Temperature	95.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	60.0 to 90.0	°C	
Desiccant Dryer	60.0 to 90.0	°C	
Drying Time			
Circulation Dryer	2.0 to 4.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Processing (Melt) Temp	200 to 270	°C	
Mold Temperature	20.0 to 70.0	°C	

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