

ALTECH® PP-H FC 4940/500 TV 40

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH®PP-H FC 4940/500 TV 40 is a polypropylene homopolymer (PP Homopoly) product, which contains 40% talc filler. 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-H FC 4940/500 TV 40 include packaging, consumer goods and food contact applications.

Features include:

Comply with REACH standard

ROHS certification

Homopolymer

Good toughness

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	Homopolymer		
	Good toughness		
Uses	Packaging		
	Non-specific food applications		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	12.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3600	MPa	ISO 527-2
Tensile Stress	30.0	MPa	ISO 527-2
Tensile Strain (Break)	11	%	ISO 527-2
Flexural Modulus	4000	MPa	ISO 178
Flexural Stress	55.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	3.0	kJ/m ²	ISO 179/1eA
-40°C	2.0	kJ/m ²	ISO 179/1eA
-20°C	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU

--	20	kJ/m ²	ISO 179/1eU
-40°C	10	kJ/m ²	ISO 179/1eU
-20°C	10	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	88.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50, 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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