

ALTECH® PP-H FC 4940/100 MR40

Polypropylene Homopolymer

ALBIS PLASTIC GmbH

Message:

ALTECH® PP-H FC 4940/100 MR40 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 40% talc. It is available in Asia Pacific, Europe, or North America. Typical application: Kitchenware.

Characteristics include:

REACH Compliant

RoHS Compliant

Heat Stabilizer

High Stiffness

Homopolymer

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Stiffness		
	Homopolymer		
Uses	Kitchenware		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.00	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4300	MPa	ISO 527-2
Tensile Stress	35.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	4700	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/m²	
-40°C	2.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	26	kJ/m²	
-40°C	12	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 120	°C
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	200 to 270	°C
Mold Temperature	20.0 to 90.0	°C

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