

TRANSMARE® 35HNF30-0.101

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 35HNF30-0.101 is a 30% BF-K100 bamboo fiber reinforced polypropylene homopolymer.

General Information			
Filler / Reinforcement	Bamboo Fiber, 30% filler by weight		
Features	Homopolymer		
	Updatable resources		
	Recyclable materials		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm)	3050	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 4.00mm	27.0	MPa	ISO 527-2/50
Fracture, 4.00mm	36.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 4.00mm	2.5	%	ISO 527-2/50
Fracture, 4.00mm	2.7	%	ISO 527-2/50
Flexural Modulus	2850	MPa	ISO 178
Flexural Stress	54.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1A
-40°C	1.1	kJ/m ²	ISO 179/1A
23°C	2.1	kJ/m ²	ISO 179/1A
Charpy Unnotched Impact Strength			ISO 179/1U
-40°C	7.7	kJ/m ²	ISO 179/1U
23°C	11	kJ/m ²	ISO 179/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	160	°C	ISO 306/A
Injection	Nominal Value	Unit	
Rear Temperature	150	°C	

Middle Temperature	160	°C
Front Temperature	175	°C
Nozzle Temperature	180	°C
Mold Temperature	40.0 - 60.0	°C
Injection Rate	Moderate	

Injection instructions

In specific cases pre-drying of this material might be required.

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Recommended distributors for this material

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