

TRANSMARE® 14CNF30-0.001

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 14CNF30-0.001 is a 30% bamboo fibre reinforced polypropylene copolymer.

General Information			
Filler / Reinforcement	Bamboo Fiber,30% Filler by Volume		
Features	Copolymer		
	Recyclable Material		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	67		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm)	2800	MPa	ISO 527-2/50
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	31.0	MPa	
Break, 4.00 mm	31.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	3.3	%	
Break, 4.00 mm	4.7	%	
Flexural Modulus ¹	2950	MPa	ISO 178
Flexural Stress ²	47.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1A
-20°C	3.7	kJ/m ²	
0°C	4.7	kJ/m ²	
23°C	8.0	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-20°C	4.3	kJ/m ²	
0°C	5.6	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	73.0	°C	ISO 75-2/A
Vicat Softening Temperature	157	°C	ISO 306/A50
Injection	Nominal Value	Unit	
Rear Temperature	165	°C	
Middle Temperature	175	°C	
Front Temperature	185	°C	
Nozzle Temperature	190	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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Recommended distributors for this material

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