

TRANSMARE® 19HGF30-0.001

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 19HGF30-0.001 is a Polypropylene Homopolymer (PP Homopolymer) material filled with 30% glass fiber. It is available in Europe for injection molding.

Important attributes of TRANSMARE® 19HGF30-0.001 are:

High Stiffness

Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Flow		
	High Stiffness		
	Homopolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	4.5	g/10 min	
230°C/5.0 kg	25	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	77		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 4.00 mm)	100	MPa	ISO 527-2/50
Tensile Strain (Break, 4.00 mm)	3.5	%	ISO 527-2/50
Flexural Modulus ¹	5700	MPa	ISO 178
Flexural Stress ²	133	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-40°C	8.5	kJ/m²	
23°C	11	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-40°C	10	kJ/m²	
23°C	12	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	154	°C	ISO 75-2/B
1.8 MPa, Unannealed	139	°C	ISO 75-2/A

Vicat Softening Temperature	160	°C	ISO 306/A
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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Recommended distributors for this material

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