

TRANSMARE® 19HGF20-0.001

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 19HGF20-0.001 is a 20% glass fiber reinforced polypropylene homopolymer for injection molding purposes with high stiffness and a good flow.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Flow		
	High Stiffness		
	Homopolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	7.0	g/10 min	
230°C/5.0 kg	26	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 4.00 mm)	90.0	MPa	ISO 527-2/50
Tensile Strain (Break, 4.00 mm)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	4400	MPa	ISO 178
Flexural Stress ²	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-40°C	7.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-40°C	7.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	153	°C	ISO 75-2/B
1.8 MPa, Unannealed	130	°C	ISO 75-2/A
Vicat Softening Temperature	161	°C	ISO 306/A
NOTE			

1.	2.0 mm/min
2.	2.0 mm/min

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