

TRANSMARE® 19HT20-0.001

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 19HT20-0.001 is a 20% fine white talc filled polypropylene homopolymer for injection molding purposes with high stiffness and good flow. Suitable for light colors.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Good Flow		
	High Stiffness		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	20	g/10 min	
230°C/5.0 kg	85	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	74		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	35.0	MPa	
Break, 4.00 mm	30.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	4.0	%	
Break, 4.00 mm	15	%	
Flexural Modulus ¹	3500	MPa	ISO 178
Flexural Stress ²	59.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.2	kJ/m ²	ISO 179/A
Notched Izod Impact Strength (23°C)	2.7	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	114	°C	ISO 75-2/B
1.8 MPa, Unannealed	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	154	°C	ISO 306/A
NOTE			

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

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