

TRANSMARE® 19HT40-0.002

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 19HT40-0.002 is a 40% standard (gray) talc filled polypropylene homopolymer for injection molding purposes with high stiffness and good flow. Not suitable for light colors.

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Good Flow		
	High Stiffness		
	Homopolymer		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	18	g/10 min	
230°C/5.0 kg	80	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	33.0	MPa	
Break, 4.00 mm	30.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	2.5	%	
Break, 4.00 mm	5.0	%	
Flexural Modulus ¹	4900	MPa	ISO 178
Flexural Stress ²	53.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.4	kJ/m ²	ISO 179/A
Notched Izod Impact Strength (23°C)	2.5	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	119	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	153	°C	ISO 306/A

NOTE

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

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