

TRANSMARE® 10HT40-0.001

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 10HT40-0.001 is a 40% fine white talc filled polypropylene homopolymer.

General Information			
Filler / Reinforcement	Talc,40% Filler by Volume		
Features	Homopolymer		
	Recyclable Material		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	74		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm)	4300	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	33.0	MPa	
Break, 4.00 mm	33.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	2.0	%	
Break, 4.00 mm	2.3	%	
Flexural Modulus	5200	MPa	ISO 178
Flexural Stress	61.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1A
-40°C	1.2	kJ/m ²	
23°C	1.4	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	11	kJ/m ²	
23°C	18	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-40°C	1.7	kJ/m ²	
23°C	2.0	kJ/m ²	

Unnotched Izod Impact Strength			ISO 180/1U
-40°C	11	kJ/m ²	
23°C	16	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	131	°C	ISO 75-2/B
1.8 MPa, Unannealed	78.0	°C	ISO 75-2/A
Vicat Softening Temperature	157	°C	ISO 306/A
Injection	Nominal Value	Unit	
Suggested Max Moisture	0.20	%	
Rear Temperature	170	°C	
Middle Temperature	230	°C	
Front Temperature	240	°C	
Nozzle Temperature	250	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate-Fast		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

