

TRANSMARE® 19HGF50-0.001

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 19HGF50-0.001 is a 50% glass fiber reinforced polypropylene homopolymer for injection molding purposes with very high stiffness and a good flow.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Good Flow		
	Homopolymer		
	Ultra High Stiffness		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	2.5	g/10 min	
230°C/5.0 kg	13	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	78		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 4.00 mm)	125	MPa	ISO 527-2/50
Tensile Strain (Break, 4.00 mm)	2.5	%	ISO 527-2/50
Flexural Modulus ¹	12000	MPa	ISO 178
Flexural Stress ²	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-40°C	8.5	kJ/m ²	
23°C	10	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-40°C	11	kJ/m ²	
23°C	13	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	157	°C	ISO 75-2/B
1.8 MPa, Unannealed	146	°C	ISO 75-2/A
Vicat Softening Temperature	161	°C	ISO 306/A
NOTE			

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

