TRANSMARE® 14CGF50-0.001

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 14CGF50-0.001 is a 50 % glass fiber reinforced polypropylene copolymer for injection molding purposes with high stiffness, high impact and a good flow.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Good Flow High Impact Resistance High Stiffness		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.33	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	3.0	g/10 min	
230°C/5.0 kg	12	g/10 min	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	71		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	90.0	MPa	
Break, 4.00 mm	90.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	3.5	%	
Break, 4.00 mm	4.0	%	
Flexural Modulus [1]	9900	MPa	ISO 178
Flexural Stress [2]	130	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/A
-40°C	12	kJ/m²	
-20°C	12	kJ/m²	
0°C	14	kJ/m²	
23°C	19	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-40°C	13	kJ/m²	
-20°C	17	kJ/m²	

0°C	18	kJ/m²	
23°C	20	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	156	°C	ISO 75-2/B
1.8 MPa, Unannealed	143	°C	ISO 75-2/A
Vicat Softening Temperature	158	°C	ISO 306/A
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

Recommended distributors for this material

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