

TRANSMARE® 14CGF30-0.001

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 14CGF30-0.001 is a 30 % glass fiber reinforced polypropylene copolymer for injection molding purposes with high stiffness, high impact and a good flow.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Flow		
	High Impact Resistance		
	High Stiffness		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	6.0	g/10 min	
230°C/5.0 kg	25	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	75.0	MPa	
Break, 4.00 mm	75.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	4.5	%	
Break, 4.00 mm	6.0	%	
Flexural Modulus ¹	4900	MPa	ISO 178
Flexural Stress ²	97.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-40°C	12	kJ/m ²	
-20°C	13	kJ/m ²	
0°C	15	kJ/m ²	
23°C	19	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-40°C	14	kJ/m ²	
-20°C	15	kJ/m ²	

0°C	17	kJ/m ²	
23°C	20	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	130	°C	ISO 75-2/A
Vicat Softening Temperature	157	°C	ISO 306/A
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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