

TRANSMARE® 9RCGF30-1.001

Polypropylene Homopolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 9RCGF30-1.001 is a black coloured 30% glass fibre reinforced recycled polypropylene copolymer for injection moulding purposes with high impact and stiffness.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Recycled Content	Yes		
Features	High Impact Resistance		
	High Stiffness		
	Homopolymer		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm, Injection Molded)	5690	MPa	ISO 527-2/50
Tensile Stress (Break, 4.00 mm, Injection Molded)	75.0	MPa	ISO 527-2/50
Tensile Strain (Break, 4.00 mm, Injection Molded)	4.1	%	ISO 527-2/50
Flexural Modulus (Injection Molded)	4840	MPa	ISO 178
Flexural Stress (Injection Molded)	92.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1A
-40°C, Injection Molded	5.1	kJ/m ²	
23°C, Injection Molded	8.6	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1U
-40°C, Injection Molded	30	kJ/m ²	
23°C, Injection Molded	45	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-40°C, Injection Molded	5.4	kJ/m ²	
23°C, Injection Molded	10	kJ/m ²	

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