

Fibremod™ GD213WGB

Compounded Polypropylene

Borealis AG

Message:

Fibremod GD213WGB is a 22 % chemically coupled high performance glass fibre reinforced polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 22% filler by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
	Recyclable materials		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4200	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	53.0	MPa	ISO 527-2/50
Flexural Modulus ¹	3500	MPa	ISO 178
Flexural Stress	64.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	17	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	43	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	19	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	45	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/Ae
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)		mm/min	ISO 3795
Injection	Nominal Value	Unit	
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			
Feeding Temperature: 40 - 80 °C Mass Temperature: 220 - 260 °C Back Pressure: Low to Medium Screw Speed: Low to Medium Flow Front Speed: 100 - 200 mm/s			

NOTE

1. 2.0 mm/min

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