

Fibremod™ GD380WGB

Compounded Polypropylene

Borealis AG

Message:

Fibremod GD380WGB is a 30 % chemically coupled high performance glass fibre reinforced polypropylene compound intended for injection moulding.

Applications

Fibremod GD380WGB has been developed especially for the white goods industry.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good UV resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.16	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	7000	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	85.0	MPa	ISO 527-2/50
Flexural Modulus ¹	6400	MPa	ISO 178
Flexural Stress	113	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	31	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C)	9.0	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	32	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)		mm/min	ISO 3795
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 60.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			
Holding Pressure: 50 - 70% of injection pressure			
NOTE			
1.	2.0 mm/min		

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