

Polypropylene

Fibremod™GD250SFB

Polypropylene Compound, Glass Fibre Reinforced

Description

Fibremod™GD250SFB is a 26 % chemically coupled high performance glass fibre reinforced polypropylene compound intended for injection moulding.

This material shows excellent mechanical properties also at elevated temperatures.

Applications

Fibremod GD250SFB has been developed especially for the automotive industry.

Structural parts

Window frames

White goods

Physical Properties

Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density	1090 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	5 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	5.600 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	90 MPa	ISO 527-2
Heat Deflection Temperature (1,80 MPa)	150 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	13 kJ/m ²	ISO 179/1eA

Processing Techniques

The actual conditions will depend on the type of equipment used.

To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C. Fibremod GD250SFB is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

Melt temperature	200 - 240 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Injection speed	Low to medium

Storage

Fibremod GD250SFB should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Regional Availability

South America

For information on regional availability please contact Borealis Sales Representative.

Fibremod is a trademark of the Borealis group.

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The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

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