

## 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  
White goods

Window frames

### 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 <sup>3</sup>	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 <sup>2</sup>	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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### Disclaimer

**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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