

## Polypropylene

# Fibremod™ GD389WGB

## Polypropylene Compound, Glass Fibre Reinforced

### Description

**Fibremod™ GD389WGB** is a 30 % chemically coupled high performance glass fibre reinforced polypropylene compound intended for injection moulding.

### Applications

**Fibremod GD389WGB** has been developed especially for the white goods industry.

### 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 (23 °C)	1010 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	6 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	7.200 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	120 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	160 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	15 kJ/m <sup>2</sup>	ISO 179/1eA
Izod Impact Strength, notched (23 °C)	13 kJ/m <sup>2</sup>	ASTM D 256

### Processing Techniques

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

Fibremod GD389WGB is easy to process with standard injection moulding machines. To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C. Following 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 GD389WGB** 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.

### Safety

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.

### Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Fibremod is a trademark of the Borealis group.

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### Regional Availability

South America

For information on regional availability please contact Borealis Sales Representative.

### 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.**

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

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