

## Polypropylene

# Fibremod™ WF385SFB

Polypropylene Compound, Glass Fibre/Mineral Filled

### Description

**Fibremod™ WF385SFB** is a Glass Fibre/Mineral filled polypropylene compound intended for injection moulding.

### Applications

**Fibremod WF385SFB** is recommended for:

Miscellaneous technical components for the white goods industry  
Structural seat parts

Houseware  
Appliances

### Special Features

**Fibremod WF385SFB** has been developed especially for demanding applications in various engineering sectors.

### 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)	1120 kg/m <sup>3</sup>	
Melt Flow Rate (230 °C/2,16 kg)	34,5 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	5.100 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	85 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	159 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	8,5 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	7,5 kJ/m <sup>2</sup>	ISO 179/1eA

### Combustion Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Flammability at thickness 1 mm	Max100 mm/min	ISO 3795

### Processing Techniques

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

Following parameters should be used as guidelines:

Feeding temperature	40 - 80 °C
Mass temperature	230 - 280 °C
Holding pressure	30 - 60 bar
Back pressure	Low to medium
Mould temperature	30 - 50 °C
Screw speed	Low to medium
Flow front speed	100 - 200 m/min

### Storage

**Fibremod WF385SFB** should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation.

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### 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.

### 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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