

# 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 Data should not be used for specific	Test Method ation work
Density (23 °C)	1120 kg/m³	
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/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	7,5 kJ/m²	ISO 179/1eA

# **Combustion Properties**

Property	Typical Value Data should not be used for specifica	Test Method tion 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

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# Fibremod WF385SFB

#### Storage

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

#### Safety

The product is not classified as dangerous. 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.

