

Polypropylene

Fibremod™WD300UBB

Polypropylene Compound, Glass Fibre/Mineral Filled

Description

Fibremod™WD300UBB is a Glass Fibre/Mineral filled polypropylene compound intended for injection moulding. The product is 30% Glass Fibre/Mineral filled.

Applications

Fibremod WD300UBB has been developed especially for the automotive industry.

Air filters

Lamp housings

Automotive interior applications

Special Features

Very good stiffness

Excellent mechanical properties even at high temperatures

Very good dimensional stability

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)	1130 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	5 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	4.700 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	60 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	160 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	8 kJ/m ²	ISO 179
Charpy Impact Strength, notched (-20 °C)	6,4 kJ/m ²	ISO 179
Charpy Impact Strength, notched (-30 °C)	6,0 kJ/m ²	ISO 179

Processing Techniques

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

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

Storage

Fibremod WD300UBB 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.

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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.

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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It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

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