



Polypropylene Fibremod™ GB364WG

Polypropylene Compound, Glass Fibre Reinforced

Description

Fibremod GB364WG is a 30% chemically coupled glass fibre reinforced polypropylene compound intended for injection moulding. The product is available in natural but other colours can be provided on request.

This material shows excellent mechanical properties also at elevated temperatures.

Applications

Fibremod GB364WG has been developed especially for applications like:

Pump housings
Tubs for washing machines

Miscellaneous technical components for the white goods industry

Special Features

Long term high heat stabilised
Detergent resistant

UL registered under File E108112

Physical Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density	1120 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	2 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	6.000 MPa	ISO 178
X Tensile Strength	100 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	159 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	12 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	9 kJ/m ²	ISO 179/1eA

Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Application Related Tests

Property	Typical Value	Test Method
	Data should not be used for specification work	
Mould average Shrinkage ¹	1,1 %	Borealis Method

¹ VALUES MAY ONLY BE USED AS INDICATION, AND SHOULD NOT BE USED DIRECTLY IN MOULD DESIGN WITHOUT PRIOR VALIDATION

Fibremod is a trademark of the Borealis group.

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