

Xmod™ WD300UBB

Compounded Polypropylene

Borealis AG

Message:

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

General Information	
Filler / Reinforcement	Glass \mineral, 30% filler by weight
Features	Good dimensional stability
	Rigid, good
	Recyclable materials
Uses	Electrical/Electronic Applications
	Application in Automobile Field
	Car interior parts

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	67.0	MPa	ISO 527-2/50
Flexural Modulus ¹	5000	MPa	ISO 178
Flexural Stress	88.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	5.0	kJ/m ²	ISO 180/1A
0°C	6.0	kJ/m ²	ISO 180/1A
23°C	7.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	158	°C	ISO 75-2/Be
1.8 MPa, not annealed	138	°C	ISO 75-2/Ae
Vicat Softening Temperature	111	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)	> 100	mm/min	ISO 3795
Injection	Nominal Value	Unit	
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			

Feeding Temperature: 40 - 80 °C Mass Temperature: 230 - 280 °C Back Pressure: Low to Medium Screw Speed: Low to Medium Flow Front Speed: 100 - 200 mm/s

NOTE

1. 2.0 mm/min

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