

Fibremod™ GD250SFB

Compounded Polypropylene

Borealis AG

Message:

Fibremod GD250SFB is a 26 % chemically coupled high performance glass fibre reinforced polypropylene compound intended for injection moulding.

Applications

Fibremod GD250SFB has been developed especially for demanding applications in various engineering sectors.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 26% filler by weight		
Uses	Engineering application		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.09	g/cm³	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
Flexural Modulus ¹	5600	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	11	kJ/m²	ISO 180/1A
23°C	12	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	45	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	150	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)		mm/min	ISO 3795
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			
Holding pressure: 50 - 70% on injection pressure			
NOTE			
1.	2.0 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

