

Fibremod™ GB477HP

复合聚丙烯

Borealis AG

Technical Data

Product Description

Fibremod GB477HP is a chemically coupled high performance glass fibre reinforced polypropylene compound intended for injection moulding.

The product is available in standard black 9502.

Applications

Fibremod GB477HP has been developed especially for demanding applications in the automotive industry.

- Front end carriers
- Under the bonnet components
- Pedal carriers
- Other automotive parts
- Structural parts

Special Features

- Excellent stiffness
- Good processability
- Low emission

General

Filler / Reinforcement	• 玻璃纤维增强材料, 40% Filler by Weight		
Features	• 低挥发	• 可回收材料	
	• 高刚性	• 良好的加工性能	
Uses	• 汽车的发动机罩下的零件	• 汽车领域的应用	• 汽车外部零件
Appearance	• 黑色		
Processing Method	• 注射成型		

Physical	额定值	单位制	测试方法
Density	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.7	g/10 min	ISO 1133
Mechanical	额定值	单位制	测试方法
Tensile Stress	130	MPa	ISO 527-2
Flexural Modulus ³	9000	MPa	ISO 178
Impact	额定值	单位制	测试方法
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	11	kJ/m ²	
23°C	12	kJ/m ²	
Thermal	额定值	单位制	测试方法
Heat Deflection Temperature (1.8 MPa, 未退火)	163	°C	ISO 75-2/A
Additional Information	额定值	单位制	测试方法
Emission	< 50.0	µgC/g	VDA 277

Injection	额定值	单位制
Processing (Melt) Temp	220 到 260	°C
Mold Temperature	30 到 70	°C
Holding Pressure	30.0 到 70.0	MPa

Injection Notes

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