Fibremod™ WE380HP

Polypropylene

Borealis AG

Message:

Fibremod WE380HP is a high performance hybrid reinforced (20% glass fibre / 10% mineral) copolypropylene compound intended for injection moulding. This material has an excellent balance between impact strength and stiffness combined with outstanding processability.
The product is available in standard black 9502. The product is available in natural colour.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight Mineral filler, 10% filler by weight		
Features	Impact resistance, high Recyclable materials High liquidity Excellent appearance		
Uses	Application in Automobile Field		
Appearance	Black		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 0.80	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (1.00 mm)	4950	MPa	ISO 527-2
Tensile Stress	65.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	10	kJ/m²	ISO 179/1eA
23°C	16	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	149	°C	ISO 75-2/B
1.8 MPa, not annealed	138	°C	ISO 75-2/A
CLTE - Flow (-30 to 80°C)	4.0E-5	cm/cm/°C	Internal method
Flammability	**Nominal Value**	**Unit**	**Test Method**
Fogging		mg	DIN 75201

Emission		µgC/g	VDA 277

Injection	Nominal Value	Unit
Mold Temperature	30.0 - 50.0	°C
Holding Pressure	30.0 - 60.0	MPa

Injection instructions

Feeding Temperatrue: 40 - 80 °CMass Temperature: 220 - 260 °CBack Pressure: Low to MediumScrew Speed: Low to MediumFlow Front Speed: 100 - 200 mm/s

Recommended distributors for this material

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