

Borealis PP EE106AEB

Polypropylene

Borealis AG

Message:

EE106AEB is a 15% mineral reinforced impact modified polypropylene compound suitable for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 15% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
	Rigid, good		
	Impact resistance, good		
	Recyclable materials		
	Workability, good		
	Excellent appearance		
Uses	Car anti-collision bar		
	Car exterior decoration		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.992	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	1660	MPa	ISO 178
Flexural Stress	28.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
0°C	5.5	kJ/m ²	ISO 180/1A
23°C	18	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/Ae
Vicat Softening Temperature	52.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flammability	100	mm/min	ISO 3795
Injection	Nominal Value	Unit	Test Method
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			

Feeding Temperature: 40 - 80 °C Mass Temperature: 220 - 260 °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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