

Borealis PP WH107AEB

Compounded Polypropylene

Borealis AG

Message:

WH107AEB is a 13% mineral filled elastomer modified polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 13% filler by weight		
Features	Impact resistance, high		
	Recyclable materials		
	High liquidity		
	Low shrinkage		
Uses	Car anti-collision bar		
	Automotive exterior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.990	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	37	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1600	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	19.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	40	%	ISO 527-2/50
Flexural Modulus ¹	1600	MPa	ISO 178
Flexural Stress	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-20°C	7.0	kJ/m ²	ISO 180/1A
23°C	35	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	97.0	°C	ISO 75-2/Be
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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