

Borealis PP SB376

Polypropylene

Borealis AG

Message:

SB376 is a polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler		
Features	Rigid, good		
	Impact resistance, good		
	Good UV resistance		
	Recyclable materials		
Uses	Application in Automobile Field Automotive exterior parts		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23.0 mm)	3300	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	27.0	MPa	ISO 527-2/50
Flexural Modulus ¹	3200	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	2.8	kJ/m ²	ISO 180/1A
23°C	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/Ae
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: 220 - 260 °C Back Pressure: Low to Medium Screw Speed: Low to Medium Flow Front Speed: 100 - 200 mm/s			
NOTE			

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