

Daplen™ EE168AIB

Polypropylene

Borealis AG

Message:

Daplen EE168AIB is a 10% mineral filled polypropylene compound intended for injection moulding.

General Information			
Features	Recyclable materials		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.980	g/cm³	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 (1.00 mm)	1600	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus ¹	1750	MPa	ISO 178
Flexural Stress	30.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m²	ISO 179/1eA
23°C	18	kJ/m²	ISO 179/1eA
Notched Izod Impact			ISO 180/1A
-30°C	5.0	kJ/m²	ISO 180/1A
23°C	22	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	59.0	°C	ISO 75-2/A
Vicat Softening Temperature	63.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flammability	> 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			
1.	2.0 mm/min		

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Recommended distributors for this material

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