

Daplen™ EE158AIB

Compounded Polypropylene

Borealis AG

Message:

Daplen EE158AIB is a 13% mineral filled polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 13% filler by weight		
Features	High scratch resistance		
	Recyclable materials		
Uses	Application in Automobile Field		
	Car interior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.990	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	6.0	%	ISO 527-2/50
Flexural Modulus ¹	1700	MPa	ISO 178
Flexural Stress	30.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	5.0	kJ/m²	ISO 179/1eA
23°C	23	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	90.0	°C	ISO 75-2/Be
1.8 MPa, not annealed	54.0	°C	ISO 75-2/Ae
Vicat Softening Temperature	130	°C	ISO 306/A50
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)		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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