

# Daplen™ EG251AIB

Compounded Polypropylene

Borealis AG

## Message:

Daplen EG251AIB is a 20% mineral filled polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Rigid, good High scratch resistance Impact resistance, good Recyclable materials		
Uses	Application in Automobile Field Car interior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	22.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	5.0	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	1750	MPa	ISO 178
Flexural Stress	28.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	22	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact (23°C)	22	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/Ae
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			

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### Recommended distributors for this material

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