

Polypropylene

Daplen™ EE250AIB

Polypropylene Compound, Mineral Filled

Description

Daplen™ EE250AIB is a 20% mineral filled polypropylene compound intended for injection moulding.

Applications

Daplen EE250AIB has been developed especially for the car industry to be used in automotive interior parts.

Special Features

Very good stiffness and impact balance
Low gloss

High scratch resistance

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density (23 °C)	1050 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	16 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.750 MPa	ISO 178
Tensile Strength (50 mm/min) (23 °C)	21 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	100 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	25 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	4 kJ/m ²	ISO 179/1eA

Combustion Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Flammability at thickness 3 mm	Max100 mm/min	ISO 3795

Processing Techniques

The actual conditions will depend on the type of equipment used.

Daplen EE250AIB is easy to process with standard injection moulding machines. To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 80°C. Following moulding parameters should be used as guidelines:

Feeding temperature	40 - 80 °C
Mass temperature	220 - 260 °C
Back pressure	Low to medium
Holding pressure	30 - 60 bar
Mould temperature	30 - 50 °C
Screw speed	Low to medium
Flow front speed	100 - 200 m/min

Storage

Daplen EE250AIB Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product. should be stored in dry conditions at temperatures below 50°C and protected from UV-light.

Daplen is a trademark of the Borealis group.

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Safety

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety of the products.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Regional Availability

South America

For additional information on regional availability please contact your local Borealis Sales Representative.

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

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