

Polypropylene

BF080AEB

Polypropylene Copolymer

Description

BF080AEB is a polypropylene copolymer intended for injection moulding.

Applications

BF080AEB has been developed especially for the car industry to be used in automotive exterior parts.

Special Features

Very good flow

Low low temperature performance

Good balance in stiffness and impact resistance

Physical Properties

Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Property	Typical Value	Test Method
Density	900 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	20 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.000 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	23 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	12 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4,8 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	4,4 kJ/m ²	ISO 179/1eA

Processing Techniques

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

BF080AEB 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 95° - 105°C. Following parameters should be used as guidelines:

Melt temperature	200 - 240 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Injection speed	Low to medium

Storage

BF080AEB should be stored in dry conditions at temperatures below 50°C and protected from UV-light. 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.

Safety

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

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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.

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Regional Availability

South America

For information on regional availability please contact 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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