

Polypropylene

Daplen™ EJ107AEB

Polypropylene Compound, Mineral Filled

Description

Daplen™ EJ107AEB is a 20% mineral filled polypropylene compound intended for injection moulding.

Applications

Daplen EJ107AEB has been developed especially for the car industry to be used in automotive exterior parts.

Bumpers Exterior trims

Special Features

Excellent flowability UV resistance
 Very low shrinkage Very low 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
	Data should not be used for specification work	
Density	1020 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	42 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.550 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	18 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	90 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	28 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	7 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	6 kJ/m ²	ISO 179/1eA

Processing Techniques

The actual conditions will depend on the type of equipment used. Daplen EJ107AEB 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:

Feeding temperature	40 - 80 °C
Melt temperature	200 - 240 °C
Back pressure	Low to medium
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Screw speed	Low to medium
Flow front speed	100 - 200 m/min

Storage

Daplen EJ107AEB Daplen EJ107AEB 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 of the products.

Daplen is a trademark of the Borealis group.

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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.

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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