

Polypropylene

ME310AEB

Polypropylene Compound, Mineral Filled

Description

ME310AEB is a 30% mineral filled polypropylene compound intended for injection moulding.

Applications

ME310AEB has been developed especially for the car industry to be used in automotive exterior parts.

Exterior trims

Wheel arch and side trims

Special Features

stiffness and impact balance

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 | 1130 kg/m ³ | ISO 1183 |
| Melt Flow Rate (230 °C/2,16 kg) | 14 g/10min | ISO 1133 |
| Flexural Modulus (2 mm/min) | 2.300 MPa | ISO 178 |
| Tensile Stress at Yield (50 mm/min) | 19 MPa | ISO 527-2 |
| Heat Deflection Temperature B (0,45 MPa) | 120 °C | ISO 75-2 |
| Charpy Impact Strength, notched (23 °C) | 6 kJ/m ² | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C) | 2 kJ/m ² | ISO 179/1eA |

Processing Techniques

This product is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

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| | |
|-------------------|------------------------------|
| Drying | 95 - 105 °C |
| Melt temperature | 200 - 240 °C |
| Holding pressure | 50-70% of injection pressure |
| Mould temperature | 20 - 40 °C |
| Injection speed | Low to medium |

Storage

ME310AEB 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.

More information on recovery and disposal is found in our "Safety data sheet" / "Product safety information sheet". Please contact your Borealis representative for more details on 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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It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

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