



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 interior parts.

Interior 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)	2.000 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	18 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	8 kJ/m ²	ISO 179/1eA

Combustion Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
Flammability at thickness 1 mm	Max100 mm/min	ISO 3795

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

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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

The product is not classified as dangerous. **ME310AEB** is not classified as a dangerous preparation. Dust and fines from the product may give a risk for dust explosion. All equipment should be properly earthed. Inhalation of dust may irritate the respiratory system and should be avoided. During processing of the product small amounts of fumes are generated, which require proper ventilation.

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.

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

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.

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

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