

Polypropylene

MC430AEB

Polypropylene Compound, Mineral Filled

Description

MC430AEB is a 40% mineral filled polypropylene compound intended for injection moulding.

Applications

MC430AEB has been developed especially for the car industry to be used in automotive exterior parts.

Exterior trims

Special Features

High stiffness

Heat deformation resistance

High dimensional stability

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 (23 °C)	1200 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	2 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	3.400 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	25 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	128 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	6,5 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	2 kJ/m ²	ISO 179/1eA

Processing Techniques

The actual conditions will depend on the type of equipment used. This product is easy to process with standard injection moulding machines.

Following parameters should be used as guidelines:

Drying	95 - 105 °C
Melt temperature	180 - 240 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Injection speed	Low to medium

Storage

MC430AEB 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.

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.

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.

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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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