PRODUCT DATA SHEET

Polypropylene
ME268AI

Polypropylene Compound, Mineral Filled

Description

ME268AI is a 20% mineral filled polypropylene compound intended for injection moulding.

Applications

ME268AI has been developed especially for the car industry to be used in automotive interior parts.

Dashboards
Pillar trims
Other automotive interior parts

Special Features

No tendency to show stickiness after outdoor exposure

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density	1050 kg/m³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	12 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.400 MPa	ISO 178
Tensile Strength (50 mm/min)	26 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	115 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	6 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	2 kJ/m²	ISO 179/1eA

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

Application Related and Other Tests

Property	Typical Value Data should not be used for specification work	Test Method
Fogging (100 °C,16 h)	< 2 mg	DIN 75201
Emission	< 50 µgC/g	VDA 277

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Processing Techniques
This product is easy to process with standard injection moulding machines.

Injection Moulding
Following moulding parameters should be used as guidelines:

Feeding temperature	40 - 80 °C
Mass temperature	220 - 260 °C
Holding pressure	30 - 60 bar
Back pressure	Low to medium
Mould temperature	30 - 50 °C
Screw speed	Low to medium
Flow front speed	100 - 200 m/min

Storage
ME268AI 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.

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

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.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of recovery and disposal of the product.