



Polypropylene

RR568

Polypropylene Compound

Description

RR568 is a polypropylene compound intended for injection moulding. This material has a good balance in impact and stiffness.

Applications

RR568 has been developed especially for the car industry to be used in automotive exterior parts.

Exterior automotive parts

Special Features

UV stabilised

balance in stiffness and 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	900 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	19 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	900 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	19 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	18 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	10 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	7 kJ/m ²	ISO 179/1eA

Application Related Tests

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



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Processing Techniques

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

To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C. RR568 is easy to process with standard injection moulding machines. Following parameters should be used as guidelines:

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

Storage

RR568 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. RR568 should be stored in dry conditions at temperatures below 50 °C and protected from UV-light.

Safety

RR568 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.

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.

**Polypropylene**
RR568**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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