

Polypropylene

SR574

Polypropylene Compound, Mineral Filled

Description

SR574 is a 10% mineral filled polypropylene compound intended for injection moulding.

Applications

SR574 has been developed especially for the car industry to be used in automotive exterior parts.

Bumpers

Special Features

Good flow

Excellent 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 | 970 kg/m ³ | ISO 1183 |
| Melt Flow Rate (230 °C/2,16 kg) | 12 g/10min | ISO 1133 |
| Flexural Modulus (2 mm/min) | 1.400 MPa | ISO 178 |
| Heat Deflection Temperature (0,45 MPa) | 90 °C | ISO 75 |
| Charpy Impact Strength, notched (23 °C) | 35 kJ/m ² | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C) | 5 kJ/m ² | ISO 179/1eA |

Processing Techniques

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

SR574 is easy to process with standard injection moulding machines. To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C. 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

SR574 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.

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.

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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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