

Polypropylene

SC158

Polypropylene Compound, Mineral Filled

Description

SC158 -

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

Applications

SC158 has been developed especially for the car industry to be used in automotive interior parts.

Automotive interior applications

Special Features

Good stiffness

Good chemical resistance

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) | 1050 kg/m ³ | ISO 1183 |
| Melt Flow Rate (230 °C/2,16 kg) | 15 g/10min | ISO 1133 |
| Flexural Modulus (2 mm/min) | 3.000 MPa | ISO 178 |
| Flexural Strength | 50 MPa | ISO 178 |
| Heat Deflection Temperature Edgewise (1,80 MPa) | 72 °C | ISO 75-2 |
| Izod Impact Strength, notched (23 °C) | 3,8 kJ/m ² | ISO 180/1A |

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

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

SC158 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 |

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Storage

SC158 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.

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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