

## Polypropylene

# Borcycle™ M GE2331SY

Polypropylene Compound, Glass Fibre Reinforced, Recyclate Content

### Description

**Borcycle™ M GE2331SY** is a 20% chemically coupled glass fibre reinforced polypropylene compound. This material contains 40% post-consumer recycled polymer and is intended for injection moulding.

### Applications

**Borcycle M GE2331SY** has been developed especially for the car industry to be used in automotive interior parts.

### Special Features

Excellent flowability

Good impact behaviour

### Physical Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Density	1050 kg/m <sup>3</sup>	ISO 1872-2
Melt Flow Rate (230 °C/2,16 kg)	9 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	4.600 MPa	ISO 527-2
Tensile Strength (50 mm/min)	64 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	155 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	7 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	5 kJ/m <sup>2</sup>	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.

### Processing Techniques

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

#### Injection Moulding

This product 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 80°C. Following parameters should be used as guidelines:

Feeding temperature	40 - 80 °C
Mass temperature	210 - 250 °C
Back pressure	Low to medium
Holding pressure	30 - 60 bar
Mould temperature	30 - 50 °C
Screw speed	Low to medium
Flow front speed	100 - 200 mm/s

### Storage

**Borcycle M GE2331SY** 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 of the product. For more information, contact your Borealis representative.

Borcycle is a trademark of the Borealis group.

# Polypropylene Lot. N49973-CM1

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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.

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

### Regional Availability

Europe

For additional information on regional availability please contact your local Borealis Sales Representative.

### Issuer:

Marketing Automotive / Grestenberger Georg  
Product Management / Mariacher Albin

### Disclaimer

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