



**Polypropylene**

# Daplen™ MD250SY

Polypropylene Compound, Mineral Filled, Recyclate Content

## Description

**Daplen MD250SY** is a 20% mineral filled polypropylene compound intended for injection moulding. It contains 50% post-consumer recycled polymer.

## Applications

**Daplen MD250SY** is intended for:

Automotive exterior applications  
Automotive under the bonnet parts

Other automotive parts

## Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	1080 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	6 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.400 MPa	ISO 178
Tensile Strength (50 mm/min)	29 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	3 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	1,3 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.

## Application Related Tests

Property	Typical Value	Test Method
Data should not be used for specification work		
Mould average Shrinkage <sup>1</sup>	1,4 %	Borealis Method

<sup>1</sup> VALUES MAY ONLY BE USED AS INDICATION, AND SHOULD NOT BE USED DIRECTLY IN MOULD DESIGN WITHOUT PRIOR VALIDATION

## Processing Techniques

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

## Storage

**Daplen MD250SY** 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.

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Research Center Tel.+188 1699 6168



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## **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.

## **Regional Availability**

Europe

For information on regional availability please contact Borealis Sales Representative.

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