

**Polypropylene****Daplen™ MD325SY**

Polypropylene Compound, Mineral Filled, Recyclate Content

Description

Daplen MD325SY is a 30% mineral filled polypropylene compound intended for injection moulding. It contains 25% post-consumer recycled polymer.

Applications

Daplen MD325SY 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 | 1150 kg/m ³ | ISO 1183 |
| Melt Flow Rate (230 °C/2,16 kg) | 13 g/10min | ISO 1133 |
| Flexural Modulus (2 mm/min) | 2.800 MPa | ISO 178 |
| Tensile Strength (50 mm/min) | 23 MPa | ISO 527-2 |
| Charpy Impact Strength, notched (23 °C) | 3 kJ/m ² | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C) | 1,3 kJ/m ² | 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 ¹ | 1,1 % | Borealis Method |

¹ 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 MD325SY 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.

HongRong Engineering Plastics Co.,Ltd.
Head Office Tel. +85-2-6957-5415
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.