



**Polypropylene**

**Daplen™ EG265HP**

Polypropylene TPO Compound

### Description

**Daplen EG265HP** is a 20 % mineral filled polypropylene high performance compound with superior scratch resistance intended for injection moulding.

This material has an excellent balance between impact strength and stiffness and is easy to process.

### Applications

**Daplen EG265HP** has been developed especially for the car industry to be used in automotive interior parts.

Dashboards  
Door panels and pockets

Other automotive interior parts

### Special Features

Excellent scratch resistance  
High flowability

Low gloss

### Physical Properties

| Property                                       | Typical Value          | Test Method |
|------------------------------------------------|------------------------|-------------|
| Data should not be used for specification work |                        |             |
| Density                                        | 1040 kg/m <sup>3</sup> | ISO 1183    |
| Melt Flow Rate (230 °C/2,16 kg)                | 21 g/10min             | ISO 1133    |
| Flexural Modulus (2 mm/min)                    | 1.800 MPa              | ISO 178     |
| Tensile Strength (50 mm/min)                   | 18 MPa                 | ISO 527-2   |
| Heat Deflection Temperature B (0,45 MPa)       | 97 °C                  | ISO 75-2    |
| Charpy Impact Strength, notched (23 °C)        | 55 kJ/m <sup>2</sup>   | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C)       | 8,0 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 |               |             |
| Fogging (100 °C,16 h)                          | < 2 mg        | DIN 75201   |
| Emission                                       | < 50 µgC/g    | VDA 277     |

### Processing Techniques

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

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**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    | 220 - 260 °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 m/min |

**Storage**

**Daplen EG265HP** 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**

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

South America

North America

For information on regional availability please contact Borealis Sales Representative.

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