

**Polypropylene****Daplen™ EG340AE**

Polypropylene TPO Compound

Description

Daplen EG340AE is a 30% mineral filled elastomer modified polypropylene compound intended for injection moulding.

This material has excellent balanced mechanical properties, gives a good surface quality and is easy to process.

Applications

Daplen EG340AE has been developed especially for the automotive industry.

Rocker panels
Front grills

Automotive exterior applications

Special Features

Low thermal expansion

Dimension stability

Physical Properties

| Property | Typical Value | Test Method |
|--|------------------------|-------------|
| Data should not be used for specification work | | |
| Density | 1140 kg/m ³ | ISO 1183 |
| Melt Flow Rate (230 °C/2,16 kg) | 22 g/10min | ISO 1133 |
| Flexural Modulus (2 mm/min) | 2.300 MPa | ISO 178 |
| Tensile Strength (50 mm/min) | 19 MPa | ISO 527-2 |
| Heat Deflection Temperature B (0,45 MPa) | 108 °C | ISO 75-2 |
| Charpy Impact Strength, notched (23 °C) | 21 kJ/m ² | ISO 179/1eA |
| Charpy Impact Strength, notched (-20 °C) | 2,8 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.

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. 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 MPa |
| Mould temperature | 30 - 50 °C |
| Screw speed | Low to medium |

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Flow front speed

100 - 200 mm/s

Storage

Daplen EG340AE 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

For information on regional availability please contact Borealis Sales Representative.