

Polypropylene

Daplen™ ED360UB

Polypropylene TPO Compound

Description

Daplen™ ED360UB is a 30% mineral filled elastomer modified polypropylene compound intended for injection moulding. Daplen ED360UB is a material with excellent impact / stiffness ratio. Thanks to its low thermal expansion this material is suitable to mould parts requiring low change of dimensions over a broad temperature range. The product is optimised to give good surface aesthetics.

Applications

Cowl vent grilles

Special Features

Daplen ED360UB is UV stabilised and thus suitable for exterior parts demanding good weathering resistance.

Physical Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Density	1140 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	11 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.300 MPa	ISO 178
Heat Deflection Temperature B (0,45 MPa)	115 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	10 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	2,2 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. 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:

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

Daplen ED360UB 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.

Daplen is a trademark of the Borealis group.

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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 / Daniel Bahls
Product Management / Gennaro Signorelli

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

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