



Polypropylene
Daplen™ BE078AIB
 Polypropylene Compound

Description

Daplen BE078AIB is a polypropylene compound is a mineral filled elastomer modified high performance polypropylene compound intended for injection moulding.

Applications

Interior trims

Door panels

Special Features

Good UV resistance

Excellent mechanical properties

Physical Properties

Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Density	900 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	20 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.000 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	19 MPa	ISO 527-2
Heat Deflection Temperature (1,80 MPa)	52 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	45 kJ/m ²	ISO 179

Application Related Tests

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Fogging (100 °C,16 h)	< 2 mg	DIN 75201

Processing Techniques

This product is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C.

Melt temperature	200 - 240 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 60 °C

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Injection speed

Low to medium

Storage

Daplen BE078AIB 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

Daplen BE078AIB is not classified as a dangerous preparation. Dust and fines from the product may give a risk for dust explosion. All equipment should be properly earthed. Inhalation of dust may irritate the respiratory system and should be avoided. During processing of the product small amounts of fumes are generated, which require proper ventilation.

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 safety, recovery and disposal of the product. For more information, contact your Borealis representative. Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of recovery and disposal of the product.

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

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