Polypropylene
Daplen™ EE342AEB

Polypropylene Compound, Mineral Filled

Description

Daplen EE342AEB is a 33% mineral filled polypropylene compound intended for injection moulding.

Applications

Daplen EE342AEB has been developed especially for the automotive industry.

Cowl vent grilles

Exterior automotive parts

Special Features

UV stabilised

Stiffness and impact balance at ambient temperatures

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 Data should not be used for specification work	Test Method
Density	1170 kg/m³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	15 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	2.300 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	20 MPa	ISO 527-2
Heat Deflection Temperature (0,45 MPa)	100 °C	ISO 75-2
Heat Deflection Temperature (1,80 MPa)	53 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	20 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	2,5 kJ/m²	ISO 179/1eA

Processing Techniques

Daplen EE342AEB is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

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Drying	95 - 105 °C
Melt temperature	220 - 260 °C
Holding pressure	50-70% of injection pressure
Mould temperature	30 - 60 °C
Injection speed	Medium

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Storage

Daplen EE342AEB 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 EE342AEB 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 contact your Borealis representative for more details on recycling.

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.

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

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