



# Polypropylene

# Daplen™ EH104AEB

Polypropylene Compound, Mineral Filled

## Description

**Daplen EH104AEB** is a 12% mineral reinforced impact modified polypropylene compound suitable for injection moulding.

## Applications

**Daplen EH104AEB** has been developed especially for the car industry to be used in automotive exterior parts.

Bumpers

Exterior trims

## Special features

Excellent balance in stiffness and impact resistance  
High melt flow  
Excellent surface appearance on unpainted and grained parts

UV stabilised  
Good scratch resistance

## 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 (23 °C)	980 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	40 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.150 MPa	ISO 178
Flexural Strength	21 MPa	ISO 178
Tensile Modulus (1 mm/min) (23 °C)	1.150 MPa	ISO 527-2
Tensile Stress at Yield (50 mm/min) (23 °C)	16 MPa	ISO 527-2
Vicat softening temperature A50,	122 °C	ISO 306
Charpy Impact Strength, notched (23 °C)	31 kJ/m <sup>2</sup>	ISO 179/1eA

## Combustion Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Flammability at thickness 1 mm	Max100 mm/min	ISO 3795

## Processing Techniques

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

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Daplen EH104AEB 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 95° - 105°C. Following parameters should be used as guidelines:

Melt temperature	200 - 260 °C
Holding pressure	50-70% of injection pressure
Mould temperature	30 - 50 °C
Injection speed	Low to medium

## Storage

**Daplen EH104AEB** 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, recovery and disposal 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.



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**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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