

## Polypropylene

# Daplen™EH119AEB

## Polypropylene TPO Compound

### Description

Daplen™EH119AEB is a 12% mineral filled elastomer modified polypropylene compound intended for injection moulding.

### Applications

Daplen EH119AEB has been developed especially for the car industry to be used in automotive exterior parts.

Automotive exterior applications  
Bumpers

Exterior trims

### Special Features

High impact strength at low temperature  
Suitable for applications, which require low expansion over a broad temperature scale

Excellent flowability

### 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
	Data should not be used for specification work	
Density (23 °C)	970 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	35 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.400 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	19 MPa	ISO 527-2
Heat Deflection Temperature B (0,45 MPa)	100 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	45 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	5 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-30 °C)	6 kJ/m <sup>2</sup>	ISO 179/1eA

### Processing Techniques

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

Daplen EH119AEB is easy to process with standard injection moulding machines. Following parameters should be used as guidelines:

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

### Storage

Daplen EH119AEB 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, recovery and disposal 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 subsequent recycling.

### Regional Availability

South America

For information on regional availability please contact Borealis Sales Representative.

### 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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