

## Polypropylene

# Daplen EH119HP

## Polypropylene TPO Compound

### Description

**Daplen EH119HP** is a mineral filled elastomer modified polypropylene compound intended for injection moulding.

### Applications

**EH119HP** has been developed especially for the car industry to be used in automotive exterior parts.

Bumpers  
Exterior trims

Front grills

### Special Features

Excellent surface appearance  
Available with and without UV-stabilisation

High flowability

### Physical Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Density	970 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	33 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.450 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	17 MPa	ISO 527-2
Heat Deflection Temperature A (1,80 MPa)	47 °C	ISO 75-2
Coefficient of Thermal Expansion (-30 °C/80 °C)	67 µm/mK	Borealis Test Method
Izod Impact Strength, notched (23 °C)	35 kJ/m <sup>2</sup>	ISO 180/1A
Izod Impact Strength, notched (-30 °C)	5,5 kJ/m <sup>2</sup>	ISO 180/1A

### 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. Following parameters should be used as guidelines:

Feeding temperature	40 - 80 °C
Mass temperature	220 - 260 °C
Back pressure	Low to medium
Holding pressure	30 - 60 MPa
Mould temperature	30 - 50 °C
Screw speed	Low to medium
Flow front speed	100 - 200 mm/s

### Storage

**EH119HP** 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 information on regional availability please contact Borealis Sales Representative.

### Issuer:

Marketing Automotive / Daniel Bahls  
Product Management / Thomas Papesch

### 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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