



Polypropylene

Daplen EH119HP

Polypropylene TPO Compound

Description

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
Data should not be used for specification work		
Density	970 kg/m ³	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 Method
Izod Impact Strength, notched (23 °C)	35 kJ/m ²	ISO 180/1A
Izod Impact Strength, notched (-30 °C)	5,5 kJ/m ²	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

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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

The product is not classified as dangerous.

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.

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.

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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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