

## Polypropylene

# ME340HP

### Polypropylene Mineral Filled Compound

#### Description

ME340HP is a 35 % mineral-filled polypropylene compound intended for injection moulding. This grade has a very high stiffness combined with good elongation. The product is available in black colour.

#### Typical characteristics

ME340HP can be described with following typical characteristics:

High dimensional stability

Excellent stiffness with good elongation.

#### Applications

ME340HP is intended for following applications:

Appliances

Structural parts

#### Physical properties

Property	Typical value *	Unit	Test method
Density	1200	kg/m <sup>3</sup>	ISO 1183-1
Melt flow rate ( 230 °C/2.16 kg)	14	g/10min	ISO 1133-1
Tensile Modulus	4300	MPa	ISO 527-2
Tensile strain at yield	2.2	%	ISO 527-2
Charpy impact strength, notched ( 23 °C)	1.5	kJ/m <sup>2</sup>	ISO 179-1/1eA

\* Data should not be used for specification work

#### 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.

To avoid residual humidity from transport or storage, the material should be pre-dried for approximately 2h at 80°C.

The following moulding parameters should be used as guidelines:

Processing setting	Typical value/range
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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### Packaging and storage

ME340HP should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product.

### Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website [www.borealisgroup.com](http://www.borealisgroup.com).

### Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency.

Further information on sustainability and Design for Recycling (DfR) can be found from our websites [www.borealisgroup.com](http://www.borealisgroup.com) and [www.borealiseverminds.com](http://www.borealiseverminds.com).

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