PRODUCT DATA SHEET

Polypropylene

EH2241SYU

Recycled PP Compound

Description

EH2241SYU is a mineral filled elastomer modified polypropylene compound. This material contains 10% post-industrial recycled polymer and is intended for injection molding.

This material has an excellent balance between impact strength and stiffness, high melt flow rate and gives a good surface quality.

Typical characteristics

EH2241SYU can be described with following typical characteristics:

Excellent Stiffness
Low CLTE
Good Impact Resistance

Applications

EH2241SYU is intended for following applications:

Automotive exterior applications

Physical properties

Property	Typical value *	Unit	Test method
Density	1070	kg/m³	ISO 1183-1
Flexural modulus (2 mm/min)	1700	MPa	ISO 178
Charpy impact strength, notched (23 °C)	33	kJ/m²	ISO 179-1/1eA
Charpy impact strength, notched (-30 °C)	3	kJ/m²	ISO 179-1/1eA
HDT A - Heat Deflection Temperature - 1,82 Mpa	52	°C	ISO 75
Melt flow rate (230 °C/2.16 kg)	30	g/10min	ISO 1133-1
Tensile strength (50 mm/min)	18	MPa	ISO 527-2

* 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 approximately 2h at 80°C. Following parameters should be used as guidelines:

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Processing setting	Typical value/range
Feeding temperature	40-80 °C
Mass temperature	220-260 °C
Back pressure	Low to Medium
Holding pressure	30-60 °C
Mould temperature	30-50 °C
Screw speed	Low to Medium
Flow front speed	100-200 mm/s

Packaging and storage

EH2241SYU 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 on our website 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 and www.borealiseverminds.com.

Regional Availability

North America

For information on regional availability please contact Borealis Sales Representative.

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