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PRODUCT DATA SHEET

Polypropylene

Daploy™ WB140HMS

Polypropylene Homopolymer

Description

Daploy™ WB140HMS is a structurally isomeric modified propylene homopolymer for low-density foam applications.
It is a long chain branched homopolymer.

Cas No. 9003-07-0

Typical characteristics

Daploy™ WB140HMS can be described with following typical characteristics:

- High stiffness
- High service temperature
- Excellent processability
- Foamability in foam extrusion processes
- Good insulation properties of foamed materials
- Good thermal and acoustic insulation properties

Applications

Daploy™ WB140HMS is intended for following applications:

Foamed applications in automotive, food and non-food packaging, building and construction.

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate (230 °C/2.16 kg)	2.1	g/10min	ISO 1133-1
Tensile modulus	1900	MPa	ISO 527-2
Melt extensibility	230	mm/s	Borealis test method
Melt strength	36	cN	Borealis test method

* Data should not be used for specification work

Processing techniques

Suitable for the extrusion, blow moulding and injection moulding foaming technology.

Packaging and storage

Daploy WB140HMS should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odor generation and colour changes and can have negative effects on the physical properties of this product. More information on storage is found in the Safety data sheet (SDS) / Product safety information sheet (PSIS) for 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.

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.

Daploy™ is a trademark of the Borealis Group

Polypropylene

Daploy™ WB140HMS

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.
To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.
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It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
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