



Polyethylene Bormed™ LE6609-PH

Low Density Polyethylene for Healthcare applications

Description

Bormed LE6609-PH is a low density polyethylene produced in a high-pressure process. Bormed LE6609-PH is intended for blow moulding of soft and flexible packages for pharmaceutical products. The product can also be used for injection moulding and film blowing.

Products made from Bormed LE6609-PH can be sterilised by using ethylene oxide, gamma radiation, electron beam radiation or steam. Sterilisation steam temperature can be above 110 °C.

Applications

Packaging for pharmaceutical products
"blow-fill and seal"

Ampoules and Bottles

Additives

Bormed LE6609-PH contains no additives.

Special features

Sterilisable

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	930 kg/m ³	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	0,3 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	350 MPa	ISO 527-2
Tensile Stress at Yield (50 mm/min)	14 MPa	ISO 527-2
Heat Deflection Temperature	54 °C	ISO 75-2
Hardness, Shore D	53	ISO 868

Processing Techniques

Following moulding parameters should be used as guidelines:

Bormed LE6609-PH is easy to extrude and can be used in all conventional blow-moulding machines
Melt temperature range 165 - 200 °C

Bormed is a trademark of Borealis A/S, Denmark.

**Polyethylene**

Bormed LE6609-PH

Storage

Bormed LE6609-PH 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 a dangerous preparation.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the products. 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.

Related Documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"

Recovery and disposal of polyolefins

Information on emissions from processing and fires

Statement on chemicals, regulations and standards

General statement on compliance to food contact regulations

Statement on compliance to regulations on medical use



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Disclaimer

The product(s) mentioned herein are not intended for use as medical implant material or implantable medical devices 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.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

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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