

Product News

www.borealisgroup.com | www.borouge.com



Bormed™ LE6601PH – Ampoule flexibility for easy dosing

Fit for purpose

In response to customer demand following the material's brief absence from the market, Borealis has relaunched Bormed LE6601PH. This low density polyethylene (LDPE) is designed for flexible ampoules for single-use, self-administered medications such as eye, nose and ear drops, which do not require post-steam sterilisation. The balanced properties of Bormed LE6601PH fit as well for the use of dip-tubes in pharmaceutical sprays.

Answering the healthcare challenge

Society is changing. People are living longer and the elderly are gradually growing to become the larger percentage of the population. Changes in lifestyle mean that people are more aware of and concerned with personal healthcare issues, which include the rising incidence of allergies associated with modern living.

These ongoing changes put an even greater strain on the provision of healthcare services. However, it is finding relief through the increasing use of prescribed but self-administered remedies. Medication dispensed by means of flexible ampoules which can be easily used by children as well as the elderly without professional assistance. It is this application market for which Bormed LE6601PH was developed to provide an ideal solution.

Important characteristics

- Easy to convert on standard blow moulding machines, as well as blow, fill & seal machines (BF&S)
- Optimised molecular weight distribution results in material with low swell to give:
 - Easy wall thickness and weight reduction
 - Low energy requirement for extrusion
- Offers good transparency
- Can be sterilised using ethylene oxide (EtO) or gamma radiation up to 50 kGy



 **BOREALIS**


بروج
Borouge

SHAPING *the* FUTURE *with* PLASTICS



Product stewardship

- Produced on a dedicated production line
- Change control installed
- Compliance to EP 3.2.2 and EP 3.1.3 and EP 3.1.4
- Passed the test according USP 661, USP 88 and USP 89
- Drug Master File registered – DMF No 8124
- Free from ingredients of animal origin, latex, Bisphenol A (BPA) and phthalates

The flexibility provided by Bormed LE6601PH, together with its strict production quality control and compliance with European Pharmacopeia, US Pharmacopeia and Drug Master File registration, makes the material the optimum choice for ampoules for self-administered eye, nose and ear drops.

Benefitting the complete value chain

As the polyolefin provider for the healthcare industry, Borealis offers a comprehensive range of Bormed LDPE, HDPE and PP for pharmaceutical bottles and ampoules. This translates into value for each link in the supply chain.

For converters: with more than 25 years experience in serving the healthcare segment, Borealis' product expertise and strong commitment to the market assures security of supply, stable consistency and good material quality.

For end users: Bormed LE6601PH enables easy use, especially at each end of the age spectrum; by young patients and the elderly.

Properties	Nominal Values Unit	Test Method
MFR, 190°C/5.0kg	1.5 g/10 min	ISO 1133
Density	0.922g/cm ³	ISO 1183
Tensile Stress (Yield)	10.0MPa	ISO 527-2/50
Tensile Modulus	240MPa	ISO 527-2
Shore Hardness	49	ISO 868

Borealis and Borouge are leading providers of innovative, value creating plastics solutions. With more than 40 years of experience in polyolefins and using our unique Borstar® technology, we focus on the infrastructure, automotive and advanced packaging markets across Europe, the Middle East and Asia. Our production facilities, innovation

centres and service centres work with customers in more than 170 countries to provide materials that make an essential contribution to society and sustainable development. We are committed to the principles of Responsible Care® and to leading the way in 'Shaping the Future with Plastics'™.

Disclaimer The information contained herein is to our knowledge accurate and reliable as of the date of publication. Borealis and Borouge extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the consequences of its use or for any printing errors. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is also responsible for the appropriate, safe and legal use, processing and handling of our products. Nothing herein shall constitute any warranty (express or implied, of merchantability, fitness for a particular purpose, compliance with

performance indicators, conformity to samples or models, non-infringement or otherwise), nor is protection from any law or patent to be inferred. Insofar as products supplied by Borealis and Borouge are used in conjunction with third-party materials, it is the responsibility of the customer to obtain all necessary information relating to the third-party materials and ensure that Borealis and Borouge products, when used together with these materials, are suitable for the customer's particular purpose. No liability can be accepted in respect of the use of Borealis and Borouge products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third-party materials.

Borstar is a registered trademark of Borealis A/S.
Bormed and Shaping the Future with Plastics are trademarks of Borealis A/S.

For more information contact:

bormed@borealisgroup.com | info@borouge.com
www.borealisgroup.com | www.borouge.com
+43 1 22 400 000 | +65 6275 4100