Bormed™ LE6607-PH

低密度聚乙烯

Borealis AG

Technical Data

产品说明

Bormed LE6607-PH is a resin intended for evaluation for use in Healthcare applications.

Bormed LE6607-PH is an additive free low density polyethylene typically used in blow moulding articles. Material is characterised with a balanced in flexibility to facilitate to collapsibility of containers. Bottles and ampoules made from Bormed LE6607PH can be steam sterilised at maximum 110 °C. Products made from Bormed LE6607-PH can be sterilised by using ethylene oxide or radiation up to 35 kGy.

Applications

Bormed LE6607-PH has been evaluated according to different regulations and norms. Typical applications are mentioned below for Medical devices or Pharmaceutical & Diagnostic packaging. However, Borealis should be consulted for final approval to evaluate the use of Bormed LE6607-PH .

- Bottles for irrigation solutions
- Ampoules for injectable solutions
- Bottles for IV-solutions

This grade may only be used for the applications listed in the Product Datasheet and only to the extent that the application is within the scope of the tests set out in the Statement on Compliance to Regulations on Medical Use for that grade. If an application is not listed in the Product Datasheet, the grade can be used for such application only after express written consent of the Borealis Marketing Manager, Healthcare. Borealis prohibits the use of any healthcare grade product in an implantable device that is introduced into the human body by surgical intervention and that is intended to remain in place following surgical procedure.

Special features

- No additives

总体

特性	• 辐射消毒 • 环氧乙烷消毒	• 可回收材料 • 无添加剂	• 用蒸汽消毒
用途	• 吹塑成型应用	• 瓶子	
加工方法	• 吹塑成型		

物理性能	额定值 单位制	测试方法
密度	0.927 g/cm³	ISO 1183
熔流率（熔体流动速率）(190°C/2.16 kg)	0.30 g/10 min	ISO 1133
机械性能	**额定值 单位制**	**测试方法**
拉伸模量	300 MPa	ISO 527-2/1
拉伸应力 (屈服)	12.0 MPa	ISO 527-2/50
拉伸应变 (断裂)	350 %	ISO 527-2/50
弯曲模量	290 MPa	ISO 178
硬度	**额定值 单位制**	**测试方法**
肖氏硬度 (邵氏 D)	52	ISO 868
热性能	**额定值 单位制**	**测试方法**
热变形温度 (0.45 MPa, 未退火)	51.0 °C	ISO 75-2/B

挤出	额定值 单位制
熔体温度	165 到 200 °C