

Bormed™ LE6609-PH

Low Density Polyethylene

Borealis AG

Message:

Bormed LE6609-PH is a low density polyethylene produced in a high-pressure process. It 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

General Information	
Features	E-beam Sterilizable
	Good Flexibility
	Low Density
	Radiation (Gamma) Resistant
	Radiation Sterilizable
	Recyclable Material
	Soft
	Steam Sterilizable
Uses	Bottles
	Pharmaceutical Packaging
Forms	Granules
Processing Method	Blow Molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	53		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	350	MPa	ISO 527-2/1
Tensile Stress (Yield, Injection Molded)	14.0	MPa	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	54.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	

Melt Temperature

165 to 200

°C

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