

Bormed™ LE6607-PH

Low Density Polyethylene

Borealis AG

Message:

Bormed LE6607-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 LE6607-PH can be sterilised by using ethylene oxide, gamma radiation, electron beam radiation or steam. Sterilisation steam temperature maximum 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		
Agency Ratings	DMF 8123		
	DMF 8124		
	EP Monograph 3.1.4		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.927	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)	52		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	300	MPa	ISO 527-2/1
Tensile Stress (Yield)	12.0	MPa	ISO 527-2/50
Tensile Strain (Break)	350	%	ISO 527-2/50

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	51.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Melt Temperature	165 to 200	°C	

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