

Bormed™ LE6601-PH

Low Density Polyethylene

Borealis AG

Message:

Bormed LE6601-PH is a resin intended for evaluation for use in Healthcare applications.

Bormed LE6601-PH is an additive free low density polyethylene which is used to produce soft and flexible packages for pharmaceutical products. The material can be converted via blow moulding, including BFS technology, or IBM into small bottles or ampoules. However, material can as well be used in injection moulding and blown film process. The flexibility of the materials will facilitate the dosing of the medicine when used in ampoules and bottles. Articles made from Bormed LE6601-PH can be steam sterilised at maximum 105 °C. Material can be sterilised with ethylene oxide as well with radiation up to 35 kGy.

General Information			
Features	Additive Free		
	Good Flexibility		
	Low Density		
	Recyclable Material		
	Soft		
Uses	Bottles		
	Medical/Healthcare Applications		
	Pharmaceutical Packaging		
Processing Method	Blow Molding		
	Blown Film		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	240	MPa	ISO 527-2/1
Tensile Stress (Yield)	10.0	MPa	ISO 527-2/50
Flexural Modulus	200	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	49	°C	ISO 75-2
Injection	Nominal Value	Unit	
Processing (Melt) Temp	165 to 200	°C	

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