

Borealis Bormed™ LE6603-PH LDPE for Healthcare Applications

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Blow Molding Grade

Material Notes:

Bormed LE6603-PH is a low density polyethylene for injection molding having excellent flow properties allowing short cycle time or easy filling of long flow-paths. The molded article is characterized by low degree of built-in stress and good flexibility. Bormed LE6603-PH is recommended for injection molding of flexible lids, caps and closures, and pharmaceutical and diagnostic packaging. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Bormed-LE6603-PH-LDPE-for-Healthcare-Applications.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ISO 1183
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 190 °C	22 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	49	49	ISO 868
Elongation at Break	130 %	130 %	At 5 mm/min; ISO 527-2
Tensile Modulus	0.180 GPa	26.1 ksi	At 1 mm/min; ISO 527-2
Tensile Impact Strength	160 kJ/m ²	76.1 ft-lb/in ²	ISO 8256/A1

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 230 °C	356 - 446 °F	
Mold Temperature	10.0 - 40.0 °C	50.0 - 104 °F	

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