

## Borealis Bormed™ HE9621-PH HDPE for Healthcare Applications

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

### Material Notes:

Bormed HE9621-PH is a natural HD polyethylene with narrow molecular weight distribution, produced in low-pressure gas-phase process. This grade is designed for the injection molding of articles where good rigidity and balanced flow properties are required together with low tendency to warp age. Bormed HE9621-PH is suitable for the production of plungers for syringes, 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-HE9621-PH-HDPE-for-Healthcare-Applications.php](http://www.lookpolymers.com/polymer_Borealis-Bormed-HE9621-PH-HDPE-for-Healthcare-Applications.php)

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 190 °C	12 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Strength, Yield	26.0 MPa	3770 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	9.0 %	9.0 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.15 GPa	167 ksi	At 1 mm/min; ISO 527-2
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 260 °C	392 - 500 °F	
Mold Temperature	10.0 - 40.0 °C	50.0 - 104 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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