

Bormed™ HE9601-PH

High Density Polyethylene

Borealis AG

Message:

Bormed HE9601-PH is a high density polyethylene

This grade is especially suitable for high-speed injection moulding of articles demanding easy flow. The material is specially formulated for medical applications.

Applications

Pharmaceutical & diagnostic packaging

Caps and closures

Plungers for syringes

General Information			
Features	Rigidity, high		
	Good liquidity		
Uses	Shield		
	Shell		
	Drug packaging		
	Medical/nursing supplies		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	31	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.0 - 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1250	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	71.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 - 240	°C	
Mold Temperature	10.0 - 40.0	°C	
Injection Rate	Fast		

Injection instructions

Holding Pressure: as low as possible, minimum to avoid sink marks

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Recommended distributors for this material

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