

Bormed™ HJ875MO

Polypropylene Homopolymer

Borealis AG

Message:

Bormed HJ875MO is a resin intended for evaluation for use in Healthcare applications.
Bormed HJ875MO is a high flow polypropylene Homopolymer. High flow enables lower cycle time, high injection rate and design of thin wall packaging.
This grade is formulated for optimised extractables. Material can be sterilised with vapour (121 °C for 20 minutes) or EtO.

General Information			
Features	Expandable		
	High Flow		
	Homopolymer		
	Recyclable Material		
Uses	Bottles		
	Caps		
	Closures		
	Medical/Healthcare Applications		
	Packaging		
	Pharmaceuticals		
	Thin-walled Packaging		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	75	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1600	MPa	ISO 527-2
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.8	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	87.0	°C	ISO 75-2/B
Vicat Softening Temperature	153	°C	ISO 306/A
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	15.0 to 60.0	°C	
Injection Rate	Fast		

Holding Pressure

20.0 to 50.0

MPa

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Recommended distributors for this material

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