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

Recommended distributors for this material

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