

Bormed™ HG820MO

Polypropylene Homopolymer

Borealis AG

Message:

Bormed HG820MO is a resin intended for evaluation for use in Healthcare applications.
Bormed HG820MO is a clarified homopolymer with an internal lubricant and typically used in injection moulding. Products produced from Bormed HG820MO are characterised by easy demoulding, controlled low friction and low warpage. Bormed HG820MO can be sterilised with ethylene oxide or steam.

General Information			
Features	Good Processability		
	Homopolymer		
	Low Friction		
	Low Warpage		
	Recyclable Material		
Uses	Medical/Healthcare Applications		
	Packaging		
	Pharmaceuticals		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (50.0 mm)	1900	MPa	ISO 527-2
Tensile Stress (Yield)	40.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	7.0	%	ISO 527-2/50
Flexural Modulus ¹	1800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.6	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/Bf
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 to 260	°C	
Mold Temperature	30.0 to 40.0	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	20.0 to 50.0	MPa	
NOTE			
1.	50 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

