

# Bormed™ RB845MO

Polypropylene Random Copolymer

Borealis AG

## Message:

Bormed RB845MO is a random copolymer for blow moulding, with good transparency and contact clarity, very good gloss and surface finishBottles up to 2 litres can be steam sterilised due to heat distortion temperature (HDT) This grade also features high heat distortion temperature. Products from this grade can also be produced by IBM.

General Information			
Features	Contact Clarity		
	Good Surface Finish		
	High Clarity		
	High Heat Resistance		
	Medium Gloss		
	Random Copolymer		
	Recyclable Material		
	Steam Sterilizable		
Uses	Bottles		
	Containers		
	Packaging		
	Pharmaceutical Packaging		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	13	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	83.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190 to 220	°C	
Cylinder Zone 2 Temp.	190 to 220	°C	
Cylinder Zone 3 Temp.	190 to 220	°C	
Cylinder Zone 4 Temp.	190 to 220	°C	
Cylinder Zone 5 Temp.	190 to 220	°C	
Melt Temperature	180 to 220	°C	
Die Temperature	180 to 220	°C	

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#### Recommended distributors for this material

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