Bormed™ SB815MO

Polypropylene Random Copolymer

Borealis AG

Message:

SB815MO is a resin intended for evaluation for use in Healthcare applications.
SB815MO is a grade designed for production of bottles & ampoules for use in Pharmaceutical & Diagnostic applications manufactured via BFS, Extrusion or Injection blow moulding technologies. Final articles can be steam sterilised at 121 °C and are characterised by flexibility, allowing a good collapsibility and good optical properties. Haze of 0,5 mm and 1 mm injection moulded plaques is approximately 10 % and 28 % respectively.
CAS-No. 9010-79-1

General Information	
Features	Good Flexibility
	High Clarity
	Opticals
	Recyclable Material
	Steam Sterilizable
Uses	Bottles
	Medical/Healthcare Applications
Processing Method	Extrusion Blow Molding
	Injection Blow Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 15 sec)	53		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (50.0 mm)	475	MPa	ISO 527-2
Tensile Stress (Yield)	17.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	18	%	ISO 527-2/50
Flexural Modulus [1]	425	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	80	kJ/m^2	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	108	°C	ISO 306/A
Optical	**Nominal Value**	**Unit**	
Haze			
500 µm, Injection Molded	10	%	
1000 µm, Injection Molded	28	%	
NOTE			

1.	50 mm/min

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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