Bormed™ RG835MO

Polypropylene Random Copolymer

Borealis AG

Message:

Bormed RG835MO is a specially modified transparent polypropylene random copolymer with high meltflow. This polymer grade is intended for production of medical and medical-related articles. This grade is modified with internal lubricant for products requiring a low surface friction. and is characterized by easy processability, high transparency, high gloss, controlled low friction, and good stiffness-impact balance at ambient temperature. In addition it can be sterilized with ethylene oxide or steam and has an excellent chemical resistance.
In addition to its good physical properties and excellent transparency, this grade also yields products with good printability, which are easily demoulded.

General Information	
Additive	Lubricant
Features	Ethylene Oxide Sterilizable
	Excellent Printability
	Good Chemical Resistance
	Good Impact Resistance
	Good Mold Release
	Good Processability
	Good Stiffness
	High Clarity
	High Flow
	High Gloss
	Low Friction
	Lubricated
	Random Copolymer
	Recyclable Material
	Steam Sterilizable
Uses	Caps
	Closures
	Hypodermic Syringe Parts
	Medical/Healthcare Applications
	Tubing
Appearance	Clear/Transparent
Forms	Pellets
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)	30	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1200	MPa	ISO 527-2/1
Tensile Stress (Yield)	27.5	MPa	ISO 527-2/50
Tensile Strain (Yield)	12	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	6.0	kJ/m^2	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	82.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	30.0 to 40.0	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	20.0 to 50.0	MPa	
NOTE			
1.	Injection molded specimen		

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