

## Borealis Bormed™ RG835MO Polypropylene Copolymer for Healthcare Applications

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

Bormed RG835MO is specially modified polypropylene random copolymer with high melt flow intended for use in medical and medical related articles. RG835MO is modified with an internal lubricant for products requiring a low surface friction. Bormed RF830MO is designed for use in devices such as syringes and needle hubs, blood and urine tubes, catheter connections, and screw caps and closures. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Bormed-RG835MO-Polypropylene-Copolymer-for-Healthcare-Applications.php](http://www.lookpolymers.com/polymer_Borealis-Bormed-RG835MO-Polypropylene-Copolymer-for-Healthcare-Applications.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ISO 1183
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 230 °C	30 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ISO 2039-2
Tensile Strength, Yield	27.50 MPa	3988 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	12 %	12 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.20 GPa	174 ksi	At 1 mm/min; ISO 527-2
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 °C	180 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 250 °C	428 - 482 °F	
Mold Temperature	30.0 - 40.0 °C	86.0 - 104 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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