

## Borealis RF926MO Polypropylene, Transparent Random Copolymer

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

### Material Notes:

RF926MO is a specially modified transparent polypropylene random copolymer with high melt flow. This grade is intended for injection stretch blow molding (ISBM). and is designed for high-speed injection molding and contains nucleating and demolding additives. Products molded from this grade exhibit excellent transparency, very good organoleptic properties, high impact strength at ambient temperature, relatively high stiffness, and good demolding and antistatic properties. Applications: bottles for detergents and for the food industry, and jars. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-RF926MO-Polypropylene-Transparent-Random-Copolymer.php](http://www.lookpolymers.com/polymer_Borealis-RF926MO-Polypropylene-Transparent-Random-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ISO 2039-2
Tensile Strength, Yield	29.0 MPa	4210 psi	50mm/min; ISO 527-2
Elongation at Yield	11 %	11 %	50mm/min; ISO 527-2
Tensile Modulus	1.15 GPa	167 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.600 J/cm <sup>2</sup> @Temperature 23.0 °C	2.86 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ISO 75-2

Optical Properties	Metric	English	Comments
Haze	<= 5.0 %	<= 5.0 %	Borealis Method
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
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Processing Properties	≤ 130 °C Metric	≤ 266 °F English	reheat temperature Comments
Melt Temperature	210 - 260 °C	410 - 500 °F	
Mold Temperature	30.0 - 40.0 °C	86.0 - 104 °F	
Injection Pressure	0.500 - 2.00 MPa	72.5 - 290 psi	
Hold Pressure	20.0 - 50.0 MPa	2900 - 7250 psi	

Descriptive Properties	Value	Comments
Injection Velocity	high	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China