

Borealis RB607MO Polypropylene Random Copolymer

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

Material Notes:

RB607MO is a random copolymer for blow molding, with good transparency and contact clarity, very good gloss and surface finish. Bottles up to 2 liters can be steam sterilized due to heat distortion temperature (HDT). This grade is formulated with UV absorber, which protects the contents from UV radiation. This grade also features high heat distortion temperature. Applications: industrial chemicals, household and chemical containers such as detergents, cleaners, motor oils, and cosmetics. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-RB607MO-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ISO 1183
Melt Flow	1.5 g/10 min @Load 2.16 kg, Temperature 230 °C	1.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	50mm/min; ISO 527-2
Tensile Modulus	0.900 GPa	131 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	2.00 J/cm ² @Temperature 23.0 °C	9.52 ft-lb/in ² @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

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	190 - 220 °C	374 - 428 °F	
Die Temperature	180 - 220 °C	356 - 428 °F	
Melt Temperature	180 - 220 °C	356 - 428 °F	

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