

Borealis RB206MO-06 Polypropylene Random Copolymer

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

Material Notes:

RB206MO-06 is a random copolymer with good transparency and contact clarity, very good gloss and surface finish. The high stiffness of this grade allows for a reduction in cycle time. This grade also features high heat distortion temperature. The additives are optimized to provide reduced tendency for mould plate-out. Applications: monolayer and multilayer bottles in the food or cosmetic industry (hot filling). Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-RB206MO-06-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Bulk Density	0.500 - 0.600 g/cc	0.0181 - 0.0217 lb/in ³	
Density	0.902 g/cc	0.0326 lb/in ³	ISO 1183
Melt Flow	1.9 g/10 min @Load 1.90 kg, Temperature 230 °C	1.9 g/10 min @Load 4.19 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	50mm/min; ISO 527-2
Elongation at Yield	12 %	12 %	50mm/min; ISO 527-2
Tensile Modulus	1.15 GPa	167 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.700 J/cm ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °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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