

Borealis Borclear™ RC707MO Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Borclear™ RC707MO is intended for blow molding. This grade provides high gloss, high transparency and excellent impact properties. This grade also features high heat distortion temperature. Applications: cosmetics, bottles for detergents and for the food industry. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borclear-RC707MO-Polypropylene.php

Physical Properties	Metric	English	Comments
Melt Flow	3.0 g/10 min	3.0 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	50mm/min; ISO 527-2
Tensile Modulus	1.00 GPa	145 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179/1eA
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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	9.0 %	9.0 %	bottle, 6mm thick; Borealis Method
	15 %	15 %	
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	230 °C	446 °F	
Die Temperature	220 °C	428 °F	
Melt Temperature	230 °C	446 °F	

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