

Borealis BorPURE™ RB501BF Polypropylene Copolymer

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

Material Notes:

BorPure™ RB501BF is a random copolymer. Applications: BorPure™ RB501BF has been developed especially for applications like: food packaging, over wrap film, label film, and shrink film. Additives: BorPure™ RB501BF contains no slip, antiblock, antistatic additives or nucleating additives. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BorPURE-RB501BF-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	1.9 g/10 min	1.9 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	2.5 g/10 min	2.5 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	8.1 g/10 min	8.1 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	80 - 100 %	80 - 100 %	ISO 527-3
Tensile Modulus	1.10 - 1.30 GPa	160 - 189 ksi	MD; ISO 527-3
	1.20 - 1.40 GPa	174 - 203 ksi	TD; ISO 527-3
Film Tensile Strength at Break, MD	150 - 180 MPa	21800 - 26100 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	136 - 142 °C	277 - 288 °F	DSC; ISO 3146

Optical Properties	Metric	English	Comments
Haze	<= 1.8 %	<= 1.8 %	ASTM D1003
Gloss	>= 90 %	>= 90 %	45° of arc; ASTM D2457

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