

Borealis Borclean™ HC318BF Polypropylene Homopolymer for Capacitor Film

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

Borclean HC318BF is a homopolymer film resin developed for use in the manufacture of the highest quality films for dielectric applications. Borclean HC318BF does not contain slip, antiblock, antistatic additives or nucleating additives. Borclean HC318BF is especially suitable for biaxially oriented dielectrical film used in capacitors and manufactured for metallisable film. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borclean-HC318BF-Polypropylene-Homopolymer-for-Capacitor-Film.php

Physical Properties	Metric	English	Comments
Melt Flow	3.2 g/10 min	3.2 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	4.4 g/10 min	4.4 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	14 g/10 min	14 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	
Ash	0.0010 - 0.0020 %	0.0010 - 0.0020 %	ISO 3451-1

Thermal Properties	Metric	English	Comments
Melting Point	161 - 165 °C	322 - 329 °F	ISO 3146

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.25	2.25	IEC 250

Descriptive Properties	Value	Comments
Calcium, ppm	2 max	from Anti-acid
Catalyst Residues, Aluminum ppm	2 to 4	
Catalyst Residues, Chloride ppm	1 to 3	
Catalyst Residues, Titanium ppm	1 to 3	
Isotactic Index %	96	Borealis

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