

## Borealis Bormod™ HD915CF Polypropylene Homopolymer for Cast Film

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

### Material Notes:

Bormod HD915CF is a high crystallinity homopolymer film resin, based on special Borstar nucleating technology, especially developed for the manufacturing of unoriented film for metallizing. It is specifically designed to be coextruded as a stiff core layer with a copolymer coat layer of Borclear RE718CF. It is recommended to use rather high chill roll temperatures in the range of 40-55°C to obtain the optimum film stiffness. Optical properties will not be deteriorated as with conventional homopolymers at these temperatures. Bormod HD915CF is especially suitable for metallisable cast film (non migratory stabilizers/anti-acids), inner layer in coextrusion, twist films, labeling films, lamination films, furniture films, decorating films, and textile films. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Bormod-HD915CF-Polypropylene-Homopolymer-for-Cast-Film.php](http://www.lookpolymers.com/polymer_Borealis-Bormod-HD915CF-Polypropylene-Homopolymer-for-Cast-Film.php)

Physical Properties	Metric	English	Comments
Density	0.900 - 0.910 g/cc	0.0325 - 0.0329 lb/in <sup>3</sup>	ISO 1183
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	80 %	80 %	ISO 527-3
Film Elongation at Break, TD	120 %	120 %	ISO 527-3
Flexural Modulus	2.10 GPa	305 ksi	ISO 178
Secant Modulus, MD	1.60 GPa	232 ksi	ISO 527-3
Secant Modulus, TD	1.80 GPa	261 ksi	ISO 527-3
Impact	40	40	Dynatest, Damaging Force (N); ISO 7765-2
Impact Test	0.950 J	0.701 ft-lb	Dynatest, Penetration Energy; ISO 7765-2
Coefficient of Friction	0.30 - 0.40	0.30 - 0.40	Film/Film; ISO 8295
Film Tensile Strength at Break, MD	35.0 - 55.0 MPa	5080 - 7980 psi	ISO 527-3
Film Tensile Strength at Break, TD	30.0 - 50.0 MPa	4350 - 7250 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	164 - 170 °C	327 - 338 °F	ISO 3146
Vicat Softening Point	158 °C	316 °F	A (10N); ISO 306

Thermal Properties	Metric	English	Comments
Optical Properties	Metric	English	Comments
Haze	<= 6.0 %	<= 6.0 %	ASTM D1003
Gloss	>= 90 %	>= 90 %	ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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