

## Borealis HD601CF Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

HD601CF is a homopolymer film resin, suitable for the manufacturing of unoriented film on chill roll process. Applications: metallisable cast film, inner layer in co extrusion, textile packaging film, food packaging, lamination films, stationary films, blending with formulated grades for additive adjustments, and manufacturing of unoriented film for producers who wish to add their own slip/antiblock/antistatic additive package. Additives: HD601CF Free of slip and antiblock and without CaStearate. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-HD601CF-Polypropylene.php](http://www.lookpolymers.com/polymer_Borealis-HD601CF-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 - 0.910 g/cc	0.0325 - 0.0329 lb/in <sup>3</sup>	base resin; 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	500 - 700 %	500 - 700 %	ISO 527-3
Film Elongation at Break, TD	500 - 700 %	500 - 700 %	ISO 527-3
Tensile Modulus	0.650 - 0.750 GPa	94.3 - 109 ksi	MD/TD; ISO 527-3
Flexural Modulus	1.45 GPa	210 ksi	ISO 178
Dart Drop, Total Energy	12.0 J @Thickness 0.0500 mm	8.85 ft-lb @Thickness 0.00197 in	1100N; ISO 7765-2
Coefficient of Friction	>= 0.70	>= 0.70	film to film; ISO 8295
Film Tensile Strength at Break, MD	30.0 - 50.0 MPa	4350 - 7250 psi	ISO 527-3
Film Tensile Strength at Break, TD	25.0 - 45.0 MPa	3630 - 6530 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	162 - 166 °C	324 - 331 °F	DSC; ISO 3146
Vicat Softening Point	154 °C @Load 1.02 kg	309 °F @Load 2.25 lb	A50; ISO 306

Optical Properties	Metric	English	Comments
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Haze Optical Properties	≤ 2.0 % Metric	≤ 2.0 % English	ASTM D1003 Comments
Gloss	≥ 120 %	≥ 120 %	20° of arc; ASTM D2457

Descriptive Properties	Value	Comments
Metal Adhesion (tape test)	Excellent	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China