

## Borealis Daploy™ SF203HMS High Melt Strength Polypropylene for Extrusion Coating

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

### Material Notes:

Daploy SF203HMS resin is a statistic-heterophasic-propylene-ethylene copolymer modified with a polypropylene based structurally isomeric polymer which combines a significantly increased melt strength with largely improved drawability of the polymer melt. Thus, the material is generally characterized by improved processability in polymer forming technologies where stretching flows occur. Daploy SF203HMS is a very versatile coating grade for coating and lamination of various papers, paperboards, plastic films and foils. Daploy SF203HMS has excellent adhesion against OPP, woven PP cloth and PP based nonwovens. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Daploy-SF203HMS-High-Melt-Strength-Polypropylene-for-Extrusion-Coating.php](http://www.lookpolymers.com/polymer_Borealis-Daploy-SF203HMS-High-Melt-Strength-Polypropylene-for-Extrusion-Coating.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ISO 1183
Melt Flow	16 g/10 min @Load 2.16 kg, Temperature 230 °C	16 g/10 min @Load 4.76 lb, Temperature 446 °F	DIN 5335/ISO 1133
Neck In	11.0 cm	4.33 in	BTM 00115
Coating Weight	12.0 g/m <sup>2</sup>	7.50 lb/ream	BTM 00117

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.850 GPa	123 ksi	ISO 527
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	155 - 159 °C	311 - 318 °F	ISO 3146
Vicat Softening Point	132 °C	270 °F	A/50 (10 N); ISO 306

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	>= 280 °C	>= 536 °F	
Front Barrel Temperature	>= 230 °C	>= 446 °F	
Die Temperature	>= 290 °C	>= 554 °F	

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