

## Borealis Daploy™ WB135HMS High Melt Strength Polypropylene for Foam Extrusion

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

### Material Notes:

Daploy WB135HMS resin is a propylene-based, structurally isomeric polymer, which combines significantly increased melt strength with largely drawability of the polymer melt. Thus, the material is generally characterized by improved processability in polymer forming technologies where stretching flows occur. Daploy WB135HMS has been developed for thermoformable, foamed films and sheets, lightweight packaging trays, beakers and containers, microwaveable food packaging, technical foams for automotive applications such as headliners, carpet backing, door liners, parcel shelves, water shields, under-the-hood acoustic panels, cushioning and protective packaging, and thermal and acoustic insulation. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Daploy-WB135HMS-High-Melt-Strength-Polypropylene-for-Foam-Extrusion.php](http://www.lookpolymers.com/polymer_Borealis-Daploy-WB135HMS-High-Melt-Strength-Polypropylene-for-Foam-Extrusion.php)

Physical Properties	Metric	English	Comments
Melt Flow	2.4 g/10 min	2.4 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.00 MPa	5801 psi	ISO 527-2
Elongation at Yield	6.0 %	6.0 %	ISO 527-2
Tensile Modulus	1.95 GPa	283 ksi	ISO 527-2
Flexural Modulus	1.85 GPa	268 ksi	ISO 178
Charpy Impact, Notched	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	60.0 °C	140 °F	ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ISO 75-2

## Contact Songhan Plastic Technology Co.,Ltd.

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