

## Borealis Daploy™ WB140HMS Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Daploy™ WB140HMS is a structurally isomeric modified propylene homopolymer. Applications: door liners, parcel shelves, microwaveable food packaging, cushioning and protective packaging, lightweight packaging trays, beakers and containers, technical foams for automotive applications such as headliners, carpet backing, thermal and acoustic insulation, thermoformable, foamed films and sheets, under the hood acoustic panels, and water shields. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Daploy-WB140HMS-Polypropylene.php](http://www.lookpolymers.com/polymer_Borealis-Daploy-WB140HMS-Polypropylene.php)

Physical Properties	Metric	English	Comments
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 230 °C	2.1 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527-2
Elongation at Yield	6.0 %	6.0 %	ISO 527-2
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-2
Flexural Modulus	1.90 GPa	276 ksi	2mm/min; ISO 178
Charpy Impact, Notched	0.100 J/cm <sup>2</sup> @Temperature -30.0 °C	0.476 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eA
	0.300 J/cm <sup>2</sup> @Temperature 23.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

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

## Contact Songhan Plastic Technology Co.,Ltd.

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