

## Borealis Daploy™ WB180HMS Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Daploy™ WB180HMS is a propylene-based, structurally isomeric polymer. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Daploy-WB180HMS-Polypropylene.php](http://www.lookpolymers.com/polymer_Borealis-Daploy-WB180HMS-Polypropylene.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	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Elongation at Yield	38.5 %	38.5 %	ISO 527
Tensile Modulus	1.90 GPa	276 ksi	1mm/min; ISO 527
Flexural Modulus	1.35 GPa	196 ksi	2mm/min; ISO 178
Charpy Impact, Notched	0.350 J/cm <sup>2</sup> @Temperature 23.0 °C	1.67 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Vicat Softening Point	154 °C @Load 1.02 kg	309 °F @Load 2.25 lb	A50; ISO 306

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