

## Hexcel® HexPly® M65 Bismaleimide Resin

Category : Polymer , Thermoset , Polyimide, TS

**Material Notes:**

HexPly® M65 is a bismaleimide resin that cures via an addition reaction in a toughened two-phase thermoset matrix with no condensation by-products. HexPly® M65 is a controlled flow polyimide resin system designed for alternative processing capabilities such as co-curing over honeycomb core, compression molding, as well as standard autoclave processing. It has improved tack levels and performs well for fiber placement applications. Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexPly-M65-Bismaleimide-Resin.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-M65-Bismaleimide-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.246 g/cc	1.246 g/cc	
Moisture Absorption at Equilibrium	3.8 %	3.8 %	

Mechanical Properties	Metric	English	Comments
Fracture Toughness	0.967 MPa-m <sup>1/2</sup>	0.880 ksi-in <sup>1/2</sup>	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	225 °C	437 °F	Wet
	300 °C	572 °F	Dry

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