



HexBond™ EA9351 MB STRUCTIL

BMI Paste Adhesive



Product Data Sheet

Description

One component epoxy/bismaleimide potting resin for filling and stiffening of honeycomb sandwich structures.

Features

- Service temperature range: -55°C/-67°F to 210°C/410°F
- Good compressive strength up to 210°C/410°F
- Low density

Uncured Adhesive Properties

	HexBond™ EA9351 MB STRUCTIL
Colour	Yellow
Packaging	3.5kg of product in a 10 litre pail
Density at 25°C/77°F after curing	0.6
Standard shelf life at -18°C/0°F from date of shipment (g/cm³)	12 months + 3 weeks at 23°C/73°F

Instructions For Use

Refer to the Safety Data Sheet before handling.

- Product needs to be warmed at 50°C/120°F for applying
- Cure cycle: 1h at 175°C/347°F + post cure 2h at 245°C/473°F under 5 bar pressure
- Heat up temperature: 2°C/min//3.6°F/min



Bond Strength Performance After Cure

Tests	Methods	Temperatures (°C/°F)	Values (MPa/psi)
Tensile Lap Shear	EN 2243-1	23 / 73	9 / 1300
Compression	DIN 53454	23 / 73	80 / 11600
		210 / 410	40 / 5800

Surface preparation of aluminum 2024-T3 clad: Sulfo-chromic acid etch

Cure cycle: 1h at 175°C/347°F + post cure 2h at 245°C/473°F under pressure 2°C/min

This information is provided for informal purposes only, without legal responsibility and does not constitute a specification. Users are expected to perform adequate verification and testing to ensure that materials meet required specification.

For more information

Hexcel is a leading worldwide supplier of composite materials to aerospace and industrial markets. Our comprehensive range includes:

- HexTow® carbon fibers
- HexForce® reinforcements
- HiMax™ multiaxial reinforcements
- HexPly® prepgs
- HexAM™ additive manufacturing
- HexMC® molding compounds
- HexFlow® RTM resins
- Redux® adhesives
- HexTool® tooling materials
- HexWeb® honeycombs
- Acousti-Cap® sound attenuating honeycomb
- Engineered core
- Engineered products
- Polyspeed™ laminates

For US quotes, orders and product information call toll-free 1-800-688-7734. For other worldwide sales office telephone numbers and a full address list, please go to:

<http://www.hexcel.com/contact/salesoffice>

©2018 Hexcel Corporation – All rights reserved. Hexcel Corporation and its subsidiaries (“Hexcel”) believe that the technical data and other information provided herein was materially accurate as of the date this document was issued. Hexcel reserves the right to update, revise or modify such technical data and information at any time. Any performance values provided are considered representative but do not and should not constitute a substitute for your own testing of the suitability of our products for your particular purpose. Hexcel makes no warranty or representation, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, and disclaims any liability arising out of or related to, the use of or reliance upon any of the technical data or information contained in this document.

