



# 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/cm <sup>3</sup> )	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



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### 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® prepregs
- 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:

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