

Product Data

Aerospace Adhesives



Potting Resin

EA 9351 MB STRUCTIL



DESCRIPTION

One component epoxy/bismaleimide potting resin for filling and stiffening of honeycomb sandwich structures.
Service temperature range: -55°C/-67°F to 210°C/410°F.

FEATURES

- One component
- Good compressive strength up to 210°C/410°F
- Low density (0.6)

PACKAGING

10l pail containing 3.5kg of product.

SHELF LIFE FROM SHIPPING DATE

12 months at -18°C/0°F plus 3 weeks at room temperature ($\leq 25^{\circ}\text{C}/77^{\circ}\text{F}$) from shipping date.

HANDLING AND CURE

- Product is warmed at 50°C/120°F for applying
- Cure cycle: 1h at 175°C/347°F + post cure 2h at 245°C/473°F without pressure
- Heat up rate: 2°C/min / 3.6°F/min

MECHANICAL PERFORMANCES

TEST	TEST METHOD	TEST TEMPERATURE	TYPICAL VALUES	
			MPa	PSI
Tensile lap shear on aluminium	EN 2243-1	23°C/77°F	9	1300
Compression	DIN 53454	23°C/77°F	80	11600
		210°C/410°F	40	5800

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

Cure cycle: 1h at 175°C/347°F + post cure 2h at 245°C/473°F without pressure (2°C/min / 3.6°F/min)

PRECAUTIONS FOR USE

The usual precautions when handling synthetic resins should be observed. Safety data sheet is available on request.

All values are nominal.

Important notice

All statements, technical information and recommendations offered are only for consideration and evaluation. Whilst they are believed to be accurate they are not guaranteed and are provided without warranty of any kind. No undertaking is given that the goods/products supplied are fit for any particular purpose and the buyer/user should rely upon its own tests to establish suitability of the goods/products for its particular purpose. The buyer/user shall assume all risks and liabilities in connection therewith. EA 9351 MB STRUCTIL ed. 1.2 Jul 2015

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