



Polyamide-epoxy adhesiveie

For bonding metals, plastic laminates and composites

FM[®] 1000 is a modified polyamide-epoxy unsupported adhesive film and is especially developed for bonding metals, structural plastic laminates and various composite structural plastic sandwiches.

Application

FM[®] 1000 adhesive film is serviceable over a temperature range of -423°F to 200°F (-250°C to 95°C).

Primers are not generally required for use with FM[®] 1000 adhesives to increase strength; however, two primers are available for use where processing requires „tacking“ of the FM[®] 1000 film in place or for protection of clean details.

BR[®] 1009-8 tack primer is used for room temperature tacking while BR[®] 1009-49 tack primer is used for „heat-tacking“ at 175°F (80°C). FM[®] 1000 adhesive film, with and without primer, has been tested extensively against the requirements of Federal Specification MMM-A-132. A typical cure is 60 minutes at 340°F ±10°F (170°C ±6°C) at 40 psi (0.28 MPa).

Product description - Form: Unsupported white elastomeric film

Weight		Nominal Thickness	
psf (± 0,005)	kg/m2 (± 0,025)	Zoll	mm
0,015	0,075	0,003	0,075
0,025	0,125	0,004	0,12
0,030	0,15	0,005	0,13
0,040	0,195	0,007	0,18
0,050	0,25	0,009	0,23
0,060	0,29	0,010	0,25
0,080	0,39	0,014	0,36

Features

- High lap shear and peel strength
- Wide service temperature range; -423°F to +200°F
- Designed for bonding metals, plastic laminates and composites
- Qualified to MMM-A-132, Type I, Class 1
- Designed for use in metal-to-metal and honeycomb sandwich structures

Shelf life and Storage

- Approx. six month from date of shipment at recommended storage
- Store at or below 85 °F (30 °C)

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