

Advanced Materials

Epibond® 1534 A/B Epoxy Adhesive

- Long Work Life
- High Strength
- Qualified to BMS 5-126

DESCRIPTION

Epibond® 1534 A/B epoxy adhesive is a two-part system developed specifically for bonding fiberglass reinforced plastics, metals and a variety of other materials. This adhesive is qualified to BMS 5-126, Type 2, Class 1. Epibond® 1534 A/B epoxy adhesive retains good properties in the presence of distilled water, salt water, JP-4, hydraulic fluids, etc.

TYPICAL PROPERTIES AS RECEIVED

Property	Test Method	1534 A Resin	1534 B Hardener	Mixed System
Color	Visual	Amber	Amber	Amber
Density, g/cc	ASTM D792	1.13	0.97	1.05
Viscosity at 77°F (25°C), cP	ASTM D2196	1,100	2,000	2,000
Work Life, 100g at 77°F (25°C), hours	ASTM D1338	--	--	2

MIX RATIO

To 100 parts by weight of Epibond® 1534 A resin, add 100 parts by weight of Epibond 1534 B hardener. Mix both components thoroughly for several minutes.

CURE SCHEDULE

Three days at 77°F (25°C), or gel at room temperature plus 20-30 minutes at 250°F (121°C).

TYPICAL CURED PROPERTIES (Not for specification purposes)

Test	Test Method	Results
Tensile lap shear, Al-Al, psi (MPa) at -67°F (-55°C) at 77°F (25°C) at 180°F (83°C)	ASTM D1002	3,150 (21.7) 3,000 (20.7) 575 (3.9)
After seven days at 77°F (25°C) JP-4 fuel immersion, psi (MPa) TT-S-735 Type III test fluid, psi (MPa) Distilled water, psi (MPa)	ASTM D543	2,300 (15.8) 2,500 (17.2) 1,600 (11)

STORAGE

Epibond® 1534-A/B should be stored in a dry place, in the sealed original container, at temperatures between +2°C and +40°C (+35.6°F and 104°F). The product should not be exposed to direct sunlight. Under these storage conditions, and when supplied under Huntsman standard certification, this product has a shelf life of 2 years from date of shipment (expiration date may differ based on customer specification).

Material temperatures should be above 18°C (65°F) when mixing. After use, tightly reseal containers.

PRECAUTIONARY STATEMENT

Huntsman Advanced Materials Americas LLC maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to MSDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN**FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

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