

Advanced Materials**Epibond® 1534-A/B**

EPOXY ADHESIVE

- Long Work Life
- High Strength Adhesive
- 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 :

<u>Property</u>	<u>1534-A Resin</u>	<u>1534-B Hardener</u>	<u>1534-A/B System</u>	<u>Test Method</u>
Color	Amber	Amber	Amber	Visual
Density, g/cc.	1.13	0.97	1.05	ASTM-D-792
Viscosity, cP at 77°F (25°C)	1,100	2,000	2,000	ASTM-D-2196
Work life, 100 gms at 77°F (25°C), hours	--	--	2	ASTM-D-1338

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	Result	Test Method
Tensile lap shear: AL/AL, at -67°F (-55°C), psi (MPa)	3,150 (21.7)	ASTM-D-1002
at 77°F (25°C), psi (MPa)	3,000 (20.7)	--
at 180°F (83°C), psi (MPa)	575 (3.9)	--
After seven days at 77°F (25°C)		
JP-4 fuel immersion, psi (MPa)	2,300 (15.8)	ASTM-D-543
TT-S-735 Type III test fluid, psi (MPa)	2,500 (17.2)	--
Distilled water, psi (MPa)	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 (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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