

Product Data

EPIBOND® 1569-A/B

- High Temperature Adhesive
- 2:1 Parts By Volume Mix Ratio
- Good Strength to 400°F

DESCRIPTION

Epibond 1569-A/B is a two part structural epoxy paste adhesive with high strength to 350°F (177°C). It is an excellent general purpose structural adhesive for bonding metals, composites, and many other dissimilar materials. It can be used for potting, filling and liquid shim applications.

TYPICAL PROPERTIES AS RECEIVED

<u>Property</u>	<u>1569-A</u>	<u>1569-B</u>	<u>1569-A/B</u>	<u>Test Method</u>
Color	Beige	Brown	Tan	Visual
Density, g/cc.	1.23	1.06	1.1	ASTM-D-792
Viscosity, centipoise	86,000	80,000	84,000	ASTM-D-2196
Work life, 100 gms at 77°F, hours	--	--	3	ASTM-D-1338
Shelf life at 77°F (25°C), unopened, months	12	12	--	--

MIX RATIO

To 100 parts by weight of Epibond 1569-A, add 52 parts by weight of Epibond 1569-B, or (2:1 parts by volume). Mix both components thoroughly for several minutes to insure complete and uniform mixing.

CURE SCHEDULE

One hour at 212°F (100°C).

TYPICAL CURED PROPERTIES (Not for specification purposes)

<u>Test</u>	<u>Result</u>	<u>After Heat Aging</u>		<u>Test Method</u>	
		<u>Test @ R.T.</u>	<u>@ 350°F</u>		
Lap shear strength, psi				ASTM-D-1002	
Chromic acid etched 2024-T3 aluminum					
@ -67°F	3,400	500 hrs. @ 180°F	3,150	1,560	--
@ 75°F	3,200	500 hrs. @ 350°F	2,300	2,050	--
@ 180°F	2,500	10 mos. @ 350°F	2,200	1,900	--
@ 250°F	1,500	12 mos. @ 350°F	1,982	1,870	--
@ 300°F	1,200				
@ 350°F	1,000				
@ 400°F	800				
T Peel at 75°F, pli	11				ASTM-D-1876

PACKAGING & SHIPPING INFORMATION

Epibond 1569-A is a non-restricted article. Epibond 1569-B is a corrosive liquid.

ENVIRONMENTAL INFORMATION

When used properly, this material is safe to handle and poses no environmental hazard. Spills should be contained with absorbent material and transferred to a closed container for disposal. Unreacted components should be handled carefully. Observe all precautionary statements that appear on the product label. Users should investigate all applicable waste regulations before disposal.

FOR PROFESSIONAL & INDUSTRIAL USE ONLY

CLEANLINESS & SAFETY

EPIBOND 1569-A

WARNING! CONTAINS SUSPECTED CANCER CAUSING AGENT. CAUSES SEVERE EYE IRRITATION AND POSSIBLE EYE DAMAGE. CAUSES SEVERE SKIN IRRITATION AND POSSIBLE ALLERGIC SKIN REACTION.. HARMFUL IF INHALED. HARMFUL IF SWALLOWED. Do not get in eyes, on skin, or clothing. Wear chemical splash goggles and impervious gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep container closed when not in use. Use only with adequate ventilation. Do not take internally.

FIRST AID! Eyes and Skin: Flush eyes with water for 15 minutes. Call for immediate medical attention. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. Inhalation: Remove subject to fresh air and get prompt medical attention. If breathing is difficult, give oxygen. Swallowing: Dilute by giving water to drink and contact a physician promptly. Never give anything to drink to an unconscious person.

WARNING! This product may contain traces of chemicals known to the State of California to cause cancer and/or reproductive toxicity. California laws require that this warning be given.

EPIBOND 1569-B

DANGER! CORROSIVE. CAUSES EYE AND SKIN BURNS AND POSSIBLE ALLERGIC SKIN REACTION. VAPOR IRRITATING TO EYES, SKIN AND NASAL MUCOUS MEMBRANES. HARMFUL IF SWALLOWED. Do not get in eyes, on skin or on clothing. Wear impervious gloves and splash goggles when handling. Wash thoroughly after handling. Avoid breathing the vapor. Keep container closed when not in use. Use with adequate ventilation. Do not take internally.

FIRST AID! Eyes and Skin: Flush eyes with water for 15 minutes. Call for immediate medical attention. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. Destroy contaminated shoes and other articles made of leather. Inhalation: Remove subject to fresh air. If breathing is difficult, give oxygen. Swallowing: Dilute by giving water to drink and contact a physician promptly. Never give anything to drink to an unconscious person.

IN CASE OF FIRE! Use carbon dioxide, foam, dry chemical or water spray.

KEEP OUT OF REACH OF CHILDREN

Vantico 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.

IMPORTANT: The following supercedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.
