

Advanced Materials**Epibond® 8543-C/B**

EPOXY ADHESIVE

- Fast Set Adhesive
- 1:1 Mix Ratio
- Paste Consistency

DESCRIPTION :

Epibond® 8543-C/B epoxy adhesive is an extremely fast-setting system for quick repair and bonding applications, even at colder temperatures. At 77°F (25°C), bonded parts may be handled in 10 minutes and will develop high strength within one hour. Epibond® 8543-C/B epoxy adhesive is supplied in contrasting colors. Complete mixing is indicated by a uniform gray color. This product is qualified to BMS 5-123, Type 1, Class 3.

TYPICAL PROPERTIES AS RECEIVED :

Property	8543-C Resin	8543-B Hardener	8543-C/B System	Test Method
Color	White	Black	Gray	Visual
Density, g/cc.	1.25	1.30	1.25	ASTM-D-1875
Viscosity, cP @ 77°F (25°C)	200,000	235,000	Non-Sag Paste	ASTM-D-2196
Gel time 20 gms at 77°F (25°C), minutes	--	--	3	ASTM-D-2471
Shelf life at 77°F (25°C), unopened, months	12	12	--	--

MIX RATIO :

To 100 parts by weight of Epibond® 8543-C resin, add 100 parts by weight of Epibond® 8543-B hardener or 1:1 parts by volume. Mix both components thoroughly for several minutes.

CURE SCHEDULE :

30-60 minutes at 77°F (25°C), or 60-120 minutes at 45°F (7°C). May be cured at elevated temperatures to achieve optimum properties quickly.

TYPICAL CURED PROPERTIES (Not for specification purposes)

Test	Result	Test Method
Tensile lap shear, AL/AL, psi (MPa) @ -67°F (-55°C)	2100 (14.5)	ASTM-D-1002
@ 77°F (25°C)	2000 (13.8)	--
@ 180°F (83°C)	500 (3.4)	--

**STORAGE/
SHELF LIFE :** Epoxy resins and hardeners should be stored in a dry place in their original, sealed containers at temperatures from 60-100°F (16-38°C). Material temperatures should be above 65°F (18°C) when mixing. After use, tightly reseal containers.

Under these conditions, epoxy resins and hardeners will remain useable for 12 months from date of shipping from Huntsman.

CAUTION :

Huntsman Advanced Materials Americas Inc. 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. Copies of the latest MSDS may be requested by calling our customer service group at 800-367-8793 or emailing your request to adhesives_group@huntsman.com.

FIRST AID !

Eyes and skin: Flush eyes with water for 15 minutes. Contact a physician if irritation persists. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

Inhalation: Remove subject to fresh air.

Swallowing: Dilute by giving water to drink and contact a physician promptly. Never give anything to drink to an unconscious person.

KEEP OUT OF REACH OF CHILDREN

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