718 Park East Drive, Woonsocket, RI 02895, USA
Phone: (401) 726-4500
Email: info@epoxyset.com ■ Web: www.epoxysetinc.com

TECHNICAL BULLETIN

EPOXIBOND™ EB-526N

HIGH TEMPERATURE EPOXY ADHESIVE

EB-526N is two components, clear epoxy system. This long work life, low viscosity resin system is designed for the bonding, coating, sealing, and impregnation of electrical and structural components. The cured system has excellent electrical and physical properties above 250ºC with outstanding high temperature stability. It also provides excellent moisture, chemical, and corrosion resistance as well as resistance to thermal and mechanical shock.

TYPICAL HANDLING PROPERTIES:

Epoxy	PART-A
Hardener	PART-B
Mix ratio by weight, (A/B)	100/100
Mixed Viscosity at 25°C, cp	7000-9000
Pot life at 25°C (500 grams), hrs	>8

Recommended Cure	2 hr @ 100°C+2 hr @ 150°C
Alternate Cure	4 hr @ 125ºC

TYPICAL CURED PROPERTIES AFTER RECOMMENDED CURE:
(Tested @ 25ºC unless otherwise indicated)

Color	Clear amber
Specific Gravity	1.2
Hardness, Shore D	92
Tensile strength, psi	10,000
Glass Transition Temperature, °C	140
Service Temperature range, °C	
Continuous	-55°C-300°C
Intermittent	-55°C-350°C
Dielectric Constant at 60 Hz,	2.8
Dissipation Factor at 60 Hz	0.008
Volume Resistivity, ohm-cm	$1x10^{16}$

INSTRUCTIONS FOR USE:

1. Weigh 100 grams of Resin (PART-A) with 100 grams of Hardener (PART-B).
2. Mix thoroughly until uniform mix and vacuum degas.
3. Cure as recommended to achieve the desired properties.
4. Typical cured properties were determined using recommended cure schedule. Some difference in properties may occur with the alternate or other cure schedules.

Available Packaging:
Pint, Quarts, Gallons, 5-gallon Pails, 55-gallon drums
50mL, 200mL, 400mL dual cartridges

Premixed & Frozen: 3ml, 10ml, 30ml syringes

FOR INDUSTRIAL USE ONLY:
These materials are intended for industrial use only, and the practices of good housekeeping, safety and cleanliness should be followed before, during and after use.

WARNING!
Although the system contains low volatility materials, care should be taken in handling. Adequate ventilation of workplace and ovens is essential. These materials may cause injury to the skin following prolonged or repeated contact and dermatitis in susceptible individuals. In case of skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 10 minutes and seek medical attention. Refer to Material Safety Data Sheet for additional health and safety information.

SHELF LIFE:
The shelf life of these materials is greater than one year when stored in unopened containers at an average temperature of 25°C.