



B-205, Prime Blue Forest, Rajapallya, Hoodi, Bangalore - 560048

Web. : www.ultrananotec.com | E-mail : info@ultrananotec.com, sales@ultrananotec.com

Flexible Epoxy G6E-FXNS Epoxy

Description

Our Conductive Silver/Carbon Flexible Epoxy G6E-FXNS Epoxy has been developed for applications that require high flexibility of solderless interconnections such as wearable electronics, flexible wires, and sensors.

Our G6E-NS series of epoxies was developed with advanced, proprietary technology requiring reduced silver content while performing on par with leading silver-based epoxies in terms of electrical properties. This innovation makes G6E-FXNS less dense, more flexible, and allows for stronger adhesion to the target substrate.

KEY FEATURES

- Highly Flexible Silver/Carbon filled epoxy
- Electrical conductivity, volume resistivity $<0.005 \Omega \cdot \text{cm}$
- Tough and durable
- Excellent adhesion to various substrates

PRODUCT INFORMATION

TWO COMPONENT SYSTEM: Part A – smooth dark gray paste, Part B – smooth silver paste.

THE MIX RATIO: 100 (Part A) to 100 (Part B) by weight.

CURING INSTRUCTIONS: Best results are obtained when the product is cured at 1 hour @ $150^{\circ}\text{C}/302^{\circ}\text{F}$

Color: Silver Gray

Pot life: 1 hour

Glass Transition Temperature: $37^{\circ}\text{C}/99^{\circ}\text{F}$

MIXED VISCOSITY: 35 – 65 Pa·s at $25^{\circ}\text{C}/77^{\circ}\text{F}$

HARDNESS, SHORE: >40A

DENSITY: Part A 1.7 - 2.2 g/cm³

Part B 2.4 - 2.6 g/cm³

VOLUME RESISTIVITY: $<0.005 \Omega \cdot \text{cm}$



Mob.: 8452810712
8800903073

ULTRANANOTECH PVT. LTD.

Materials Beyond Imagination

B-205, Prime Blue Forest, Rajapallya, Hoodi, Bangalore - 560048

Web. : www.ultrananotec.com | E-mail : info@ultrananotec.com, sales@ultrananotec.com

STORAGE: Shelf life: 12 months at 25°C/77°F in unopened, unmixed containers. Stores and ships at room temperature. No freezing or dry ice required.

MIXING INSTRUCTIONS: Stir both components before use. Add Part B to Part A in a separate container and mix slowly until uniform.

SAFETY & HANDLING: Always read the SDS for both Part A and Part B before use. Use products with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from the skin.

PACKAGING: Part A and Part B are packaged in individual jars. Packaging, especially jar sizes and contained quantities, can be customized according to customer requirements.



B-205, Prime Blue Forest, Rajapallya, Hoodi, Bangalore - 560048

Web. : www.ultrananotec.com | E-mail : info@ultrananotec.com, sales@ultrananotec.com