

Bondfilm™ ECF 8210 is a silver filled epoxy adhesive film that is electrically conductive in x, y and z axis. It can be useful for RF/EMI shielding, heat-sink applications and hybrid microelectronic substrate attach. It offers uniform adhesive bondlines with little or no squeeze out.

*“A Reliable
and Responsive
Adhesive
Company.”*

Adhesive Properties

Color:	Silver Grey
Work Life @ 25°C:	14 days
Cure Options:	30 minutes @ 150°C or 1 hour @ 125°C
Service Temperature Range:	-40°C to 150°C
Lap Shear Strength @ 25°C (Al to Al):	4000 psi
@ 150°C (Al to Al):	700 psi
@ 25°C (Au to Au):	3000 psi
Electrical Resistance:	
(Measured through bonded gold joints):	0.0001 ohm/.25 in ²
Glass Transition Temperature (T _g):	119°C
Weight Loss on Curing:	0.15%
Weight Loss @ 300°C:	0.34%
Coefficient of Thermal Expansion:	
Below T _g :	18 x 10 ⁻⁶ in/in/°C
Above T _g :	317 x 10 ⁻⁶ in/in/°C
Shelf Life:	1 year @ -40°C 6 months @ 5°C

Adhesive properties are not intended to be used as specification limits.

Bondline™
Electronic Adhesives, Inc.

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INSTRUCTIONS:

Place film adhesive between surfaces to be bonded. Apply continuous pressure of 1-5 psi during cure, using weight or spring loaded clamp.

AVAILABILITY:

BondfilmTM ECF8210 epoxy film is available in sheet stock and die cut preforms. Die cut preforms are cut to customer specifications. Width and length tolerances are $\pm .005$ inch. Thickness tolerance $\pm .001$ inch.

STORAGE LIFE:

Storage life of sheet stock is 10 days, when stored at room temperature. Storage life is 1 year at -40°C or colder. Die cut preforms require storage at 5°C or colder. At 5°C, storage life is 6 months.

CAUTION: For industrial use only. People with sensitive skin may have a reaction to this adhesive. Avoid skin contact. Wash all areas with soap and water immediately if contact does occur. It is important to refer to Material Safety Data Sheet (MSDS) OSHA for more details.

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