

Bondline 2990 is a silver filled, die attach adhesive with the following properties. It has low extractable ions which makes it suitable for the semiconductor industry.

*“A Reliable
and Responsive
Adhesive
Company.”*

Adhesive Properties

Color:	Silver
Viscosity*:	19000 cps
Work Life @ 25°C:	16 hours
Hardness (Shore D):	85
Cure Options:	15 minutes @ 170°C or 30 minutes @ 150°C
Gel Time:	15 seconds @170°C or 2 minutes @ 150°C
Service Temperature Range:	-55°C to 150°C
Lap Shear Strength @ 25°C (Al. to Al.):	2100 psi
@ 25°C (Au. to Au.):	2000 psi
Ionic Data	
Chloride:	<10 ppm
Sodium:	<5 ppm
Potassium:	<2 ppm
Volume Resistivity**:	
Cured 30 minutes @ 170°C:	0.00003 ohm cm
Specific Gravity:	3.88
Glass Transition Temperature (Tg)**:	134°C
Weight Loss (TGA) @ 300°C:	0.34%
Coefficient of Thermal Expansion**:	
Below Tg:	34×10^{-6} in/in/°C
Above Tg:	154×10^{-6} in/in/°C
Shelf Life:	1 year @ -40°C or Colder

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

* Brookfield DV II+, CP 51 Spindle, 5 rpm, 25°C

** Cured 30 minutes @ 170°C

Bondline

Electronic Adhesives, Inc.

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Rev. 01/17/04

INSTRUCTIONS:

Thaw premixed frozen adhesive at room temperature for approximately 5 minutes. Dispense adhesive and cure at recommended temperature.

AVAILABILITY:

Adhesive volume from 1cc to 10cc, packaged in disposable 3cc, 5cc & 10cc syringes. Adhesive net weight from 3.88 - 38.8 grams.

STORAGE LIFE:

Bondline 2990 is shipped in dry ice, and must be continually stored at -40°C or colder, until used. Shelf life is 1 year at -40°C.

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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