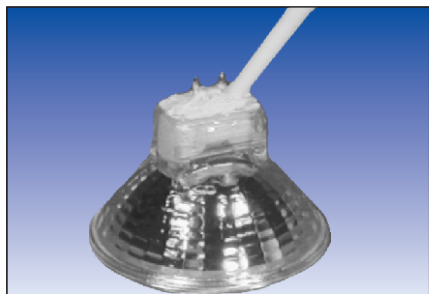
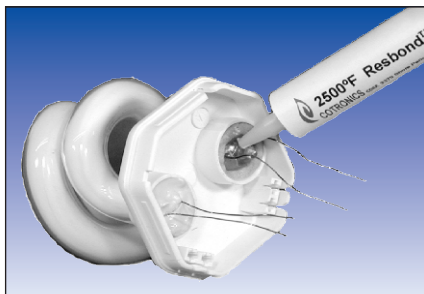


# CUSTOMIZABLE, 2800°F ADHESIVES

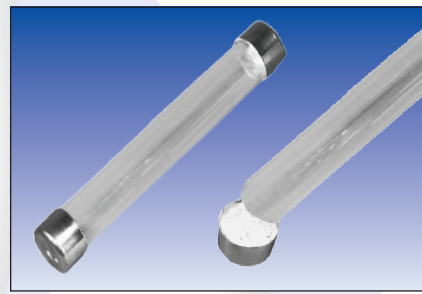
Solves All High Temp. Bonding, Sealing or Encapsulating Applications



**Production Potting of High Performance Light Bulbs**



**Resbond™ 940LE Bonds a High Performance Quartz Lamp**



**940HT Bonds a Sapphire Tube To a Metal End Cap for Use at 2650°F**

Resbond™	940	940HT	940LE	940HE	940SS
Continuous Use Temperature	2000°F	2800°F	2500°F	1800°F	2000°F
Base	Zircon	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	SiO <sub>2</sub>	S. S.
Compressive Strength (psi)	4000	4200	3500	4200	4500
Flexural Strength (psi)	1800	1900	2100	1450	2500
Thermal Expansion (x10 <sup>-6</sup> /°F)	4.50	4.00	0.40	7.50	10
Thermal Conductivity (BTU-in/Hr. Ft <sup>2</sup> °F)	8	15	5	8.3	10
Dielectric Strength (volts/mil)	125	125	125	100	Cond.
Volume Resistivity (ohm-cm)	10 <sup>8</sup>	10 <sup>8</sup>	10 <sup>8</sup>	10 <sup>9</sup>	Cond.
Components	2	2	2	2	2
Color	Tan	White	White	Tan	Grey
Consistency	Paste	Paste	Paste	Paste	Paste
Cure Temperature	R. T.	R. T.	R. T.	R. T.	R. T.

Now, for the first time, a Customizable Series of fast setting, 2800°F adhesives that were designed with your application in mind.

Eliminate costly errors caused by bonding adhesives and substrates with mismatched physical properties.

Just match the grade of Resbond™ 940 with the physical properties of the substrate. Mix and apply. Cures in five minutes at 175°F or in 16 hours at room temperature.

**Applications Include:** bonding, sealing and insulating, halogen lamps, fixtures, fiber optic cables, sensors, encapsulating, heating elements, electrically resistant coatings, high temp instruments, etc.

### 2000°F - Resbond™ 940 Standard

Has excellent adhesion to ceramics, glass, metals, etc. Offers excellent electrical, chemical and thermal shock resistance.

#### Users Report:

· Resbond™ 940 encapsulates industrial heating elements and high temperature sensors. Resbond™ outperformed all of the other ceramic adhesives and materials tested. Also used as an electrically resistant coating.

### 2800°F - Resbond™ 940HT High Temperature

Specially formulated, ultra high temp. Alumina adhesive that can be used continuously to 2800°F.

Resistant to liquid metals, most chemicals and solvents, oxidizing and reducing atmospheres.

### 1800°F - Resbond™ 940HE High Expansion

A silica filled adhesive for bonding and encapsulating high expansion materials.

#### Users Report:

· Resbond™ 940HE provided an insulating end seal for a heating element.

### 2500°F - Resbond™ 940LE Low Expansion

New Resbond™ 940LE is a low expansion, Quartz based, fast curing adhesive.

The perfect adhesive for bonding and potting Quartz Lamps, Glassware, Fiber Cables or any other low expansion materials.

940LE bonded high performance, halogen light bulbs in a high speed, high precision production line.

### 2000°F - Resbond™ 940SS Stainless Steel

New Resbond™ 940SS is a 316 Stainless Steel based, fast curing adhesive with excellent adhesion and heat resistance.

This 2000°F, Stainless Steel Adhesive bonds, repairs and seals high temperature equipment.

It is machinable and resistant to most chemicals and solvents.

Cat No.	Pint Kit	Quart Kit	Gallon Kit
Resbond™ 940	N/A	130.39	335.94
Resbond™ 940HT	86.25	152.22	416.37
Resbond™ 940LE	86.25	152.22	416.37
Resbond™ 940HE	86.25	152.22	416.37
Resbond™ 940SS	89.29	158.47	445.01
Resbond™ 940T-1	Thinner (Pint)	48.70	

Available Upon Request Fast Setting Aluminum, Aluminum Nitride, Bronze, Copper, or Silver Formulations