

Customized, 2800°F Ceramic Adhesives Solves All High Temperature 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

Just Match The Grade of Resbond 940 With The Physical Properties of the Substrate, Mix and Apply

Now, for the first time, Resbond 940, Customizable Series of fast setting, 3000°F Adhesives are designed with your application in mind.

Eliminate costly errors caused by bonding adhesives and substrates with mismatched physical properties limiting the success of specialized, high temp. applications.

Just match the grade of Resbond 940 with the physical properties of the substrate.

Choose from Low to High Thermal Expansion, Ultra Temperature, Machinable, Metallic, Super Fast Setting, Electrically or Thermally Conductive Grades.

Other grades are readily available upon request.

Resbond 940 customizable adhesives had excellent adhesion to quartz, corderite, fused silica, glassware, ceramics, metals, etc.

They are easily cured in 4 - 8 hours at room temperature or in 5 minutes at 176°F.

They have outstanding chemical and thermal shock resistance.

Applications Include bonding, sealing and insulating lightbulbs, fixtures, halogen lamps fiber optic cables, sensors encapsulating industrial heating elements forming electrically resistant coatings for high temp instruments joining heating elements to electrical terminals, etc.

*Resbond Series of Customizable Adhesives
Are The Ideal Choice for
Any High Temperature Application*

Resbond	940	940HT	940LE	940HE	940SS
Continuous Use Temp. °F	2000	2800	2500	1800	2000
Base	Zircon	Al ₂ O ₃	SiO ₂	SiO ₂	S. S.
Compressive Strength (psi)	4000	4200	3500	4200	4500
Flexural Strength (psi)	1800	1900	2100	1450	2500
Thermal Expansion (x10 ⁻⁶ /°F)	4.5	4.0	0.4	7.5	10
Thermal Conductivity*	8	15	5	8.3	10
Dielectric Strength (volts/mil)	125	125	125	100	Cond.
Volume Resistivity (ohm-cm)	10 ⁸	10 ⁸	10 ⁸	10 ⁹	Cond.
Components	2	2	2	2	2
Color	Tan	White	White	Tan	Grey
Consistency	Paste	Paste	Paste	Paste	Paste
Cure Temp.	R. T.	R. T.	R. T.	R. T.	R. T.

*BTU in / Hr °F Ft²

Cat No.	Description	Size
Resbond 940-1	Standard Fast Setting.	Quart
Resbond 940-2	Standard Fast Setting	Gallon
Resbond 940HT-1	High Temp. Fast Set	Pint
Resbond 940HT-2	High Temp. Fast Set	Quart
Resbond 940LE-1	Low Expansion Fast Set	Pint
Resbond 940LE-2	Low Expansion Fast Set	Quart
Resbond 940HE-1	High Expansion Fast Set	Pint
Resbond 940HE-2	High Expansion Fast Set	Quart
Resbond 940SS-1	Stainless Steel Fast Set	Pint
Resbond 940SS-2	Stainless Steel Fast Set	Quart
Resbond 940-3	Thinner	Pint

Quantity Prices are Available Upon Request

