

SAUEREISEN

Synergistic Properties of Ceramic Adhesives

The inherent nature of Ceramic Adhesives is to exhibit high thermal conductivity and electrical insulation. This combination of properties delivers utility for applications where electrical wires must be sealed and heat must be dissipated.

Typical Applications:

- Heating Elements
- Resistors
- Thermocouples
- Lamps
- Igniters

Ceramic based adhesives, such as those with inorganic fillers and silicate, phosphate, or calcium aluminate binder systems, are deemed superior to organic materials when exposed to combination of electrical current and high temperatures.



Potting application of insulated wires into a split-sheath heating element s in heating element ceramic base



For high temperature lamp assembly