

600°F LOW VISCOSITY EPOXY

Resists Electricity, Chemicals and Moisture

600°F- Duralco™ 4460

Duralco Low Viscosity Adhesives were formulated with Cotronics' unique, polymer system to provide the ultimate in high temperature chemical, electrical and moisture resistance. They have superior adhesion and can easily form protective coatings, with 600°F service.

Duralco Epoxies offer high bond strength, high temp. stability, low moisture absorption and low shrinkage.

They are 100% solid systems.

User friendly.

No volatiles. Low odor. No VOC's.

Duralco 4460 low viscosity, liquid adhesive forms ultra thin bond lines and is ideal for impregnating, coating and encapsulating.

4460 has the chemical, electrical and radiation resistance that is often required in the most critical applications.

This Unique Polymer System can be used up to 600°F after a heat cure at moderate temperatures.

Users Report:

Ultra Thin Bond Lines

- Transducers bonded with 0.0005" of Duralco 4460 provided strengths of 2000 psi at 400°F.

Impregnates Fine Structures

- Used to impregnate composite cloths to form custom high temperature, high strength wave guides.
- Penetrates tightly wound wire coils for electronic high temperature applications.
- Successfully encapsulates induction coils for high temperature pressure sensors.
- Seals and protects cable end seals against corrosion and high heat.

Applications Include: bonding, sealing, encapsulating and protecting cable end seals, thermocouples, strain gauges, critical electronic components, electric heaters, flow meters, glass lined tanks, etc.

Duralco 4460 is Commonly found in aerospace, electronic, appliance, instrumentation and equipment applications.

Availability:

Cat #	Description	Temp.
Duralco 4460-1.....	Pint Trial Kit	600 °F
Duralco 4460-2.....	Gallon Kit.....	600 °F

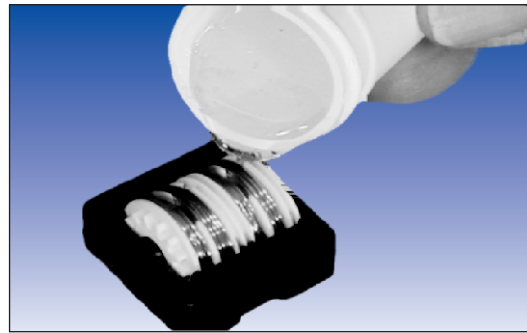
Pre-Measured Kits

Each Unit Contains: 1 jar of resin, 1 syringe of hardener and 1 mixing stick. (see page 19 for details)

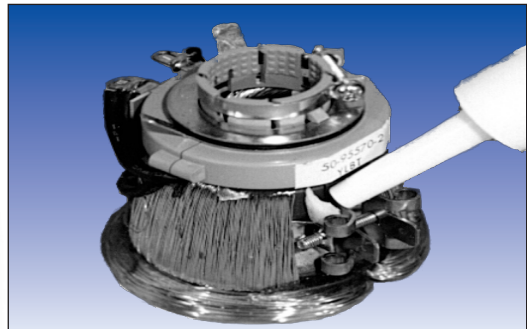
EE 4460-10	...10	Epox-Eez	10 gm units/box
EE 4460-25	...10	Epox-Eez	25 gm units/box

Quantity Prices and Custom Formulations

Available on Request



4460 Fully Impregnates a High Temperature Coil



4460 Penetrates and Encapsulates a Tightly Wound Coil



4460 Coats, Moisture Proofs, Seals and Protects Ceramic Sleeving

Duralco™	Units	4460
Maximum Temp	°F	600
Components	Color	2-Amber
Mixed Viscosity	cps	1,600
Hardness	Shore 'D'	90
Tensile Strength	psi	10,300
Thermal Conductivity	Btu-in/ Hr. Ft ² F	4
Thermal Expansion	10 ⁻⁵ /°C	5.4
Dielectric Strength	volts/mil.	500
Volume Resistivity	ohm-cm	10 ¹⁴
Heat Distortion	°C	260
Elongation	%	5
Thermal Stability	% 1000 hrs. @ 200°C	0.10
Shrinkage	% max.	0.5
Moisture Absorption	% after 30 Days	0.1
Mix Ratio	R / H	100/80
Cure	Hr. @ 250°F	4