



## Dura Quench 460

**Dura Quench 460** quenching lubricant is an emulsifiable oil designed to be used in annealer quench systems at 0.5% - 1.5%. It is designed to be used on copper and tin-coated copper wire.

It has a biostable synthetic emulsifier with biostable and oxidation stable performance ingredients. These ingredients were chosen because of their superior detergency and overall performance to provide clean annealed wire. A high performance, multi-metal, corrosion inhibitor protects the wire from oxidizing and darkening. This corrosion inhibitor will also protect aluminum components of the annealer. Non-silicone defoamers provide foam control.

### FEATURES:

The lubricity and wetting characteristics of the Dura Quench 460 reduces dry copper fines on annealer surfaces. This product provides the wire surface quality and cleanliness required by Category wire.

### TYPICAL PRODUCT SPECIFICATIONS:

Viscosity @ 1000 °F., S.U.S.	450-490 seconds
Specific Gravity @ 600 °C.	.934
Flash Point, C.O.C.	305 R.
ASTM Color	Clear amber liquid
Weight/gallon	7.79
pH @ 1% concentration	9.1
Emulsion stability: 400 ppm hard water @ 1% dilution for 24 hours	No separation

### SOLUTION CONTROL:

Dilutions of Dura Quench 460 can be determined using an optical refractometer such as American Optical No. 10440.

Refractometer Reading (BRIX): Each percent concentration of product reads direct on the Brix scale. A 1% dilution would read 1 on the scale. This method is used for rapid in-plant control of solution strength.

*Dissolved solids content will gradually increase through water evaporation and make-up additions. This will gradually reduce the refractometer concentration factor. The readings should be compared to a recent Babcock test to determine a new factor for the refractive index.*

### PRODUCT SAFETY:

For complete safety and health information, consult the current Safety Data Sheet (SDS).