**Product Description**
DuPont 4593 silver/palladium/platinum conductor is for use in thick film microcircuits, which require high resistance to solder leaching and silver migration. It exhibits excellent solder acceptance on alumina substrates and over thick film dielectric.

**Processing**

**Printing**
Print with 200-325 mesh stainless steel screens with 0.5 mil emulsion.

**Drying**
Allow print to level 5-10 min at room temperature. Then dry 10-15min at 150°C.

**Firing**
Fire with a 30-60 min cycle to a peak temperature of 850°C for 10 min. Properties are relatively unaffected by firing at peak temperatures of 850-950°C and by multiple refiring at 850°C.

**Typical 30 minutes fire profile**

![Typical 850°C 30 Minute Firing Profile](image)

This table shows anticipated typical physical properties for DuPont 4593 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.
Storage and Shelf Life
Containers should be stored, tightly sealed, in a clean, stable environment at room temperature (<25°C). Shelf life of material in unopened containers is six months from date of shipment. Some settling of solids may occur and compositions should be thoroughly mixed prior to use.

Safety and Handling
For Safety and Handling information pertaining to this product, read the Material Safety Data Sheet (MSDS).