

DuPont 7095

SILVER CONDUCTOR

Technical Data Sheet

Product Description

DuPont 7095 is a low temperature air firing silver composition. Interconnection to DuPont 7095 may be achieved by soldering. High adhesion to PZT, quartz and glass substrates.

Product Benefits

- Low firing temperature
- High adhesion
- Solderable

Processing Thinning

Paste should not need adjusting prior to use (stirring recommended). DuPont 8250 may be added, with thorough blending, to replace solvent losses or to make slight adjustments in screen printing properties.

Application

Screen print using 200 to 325 mesh stainless screen, with a squeegee durometer of 60 to 80.

Substrate

PZT, quartz, glass

Typical Physical Properties

Test	Properties
Viscosity at 25C (Pa.s) Brookfield HBF 10 rpm	80 -109
Percent silver	65%
Thinner	DuPont 8250

This table shows anticipated typical physical properties for DuPont 7095 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.

Typical Drying/Firing conditions

Allow leveling

Dry 15 minutes at 150°C

Firing: 540 – 590 C peak, timing at peak and the profile needs to be optimized based on the composition of the substrate.

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).

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