

ST1609

Component Metallization

Description

ST1609 is a silver metallization developed for lead zirconate titanate (PZT) ceramic bodies. It will fire to a dense film for maximum capacitance. ST1609 also has excellent adhesion and solderability. ST1609 is supplied at a viscosity for screen printing. The organic system will give a screen life of greater than 4 hours.

Key Features

- Customer formulated for use on PZT ceramics Screen printable Excellent solderability and adhesion REACH1 compliant



Typical Properties

Viscosity	195 – 345 kcps Brookfield LVT #5 spindle, @ 3 rpm, 25°C_x000D_
Solids	70.0 ± 1.0%

Recommended Processing Guide

Printing Parameters	165 – 200 mesh stainless steel screen 0.5 mil emulsion
Drying Temperature	150 °C for 10 minutes
Process Temperature (TDS)	550 – 650 °C peak temperature Dwell time of 5 – 7 minutes at peak
Recommended Thinner	Heraeus RV-252

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Warranty

Material guaranteed to meet specifications for 6 months from date of manufacturing with proper storage.

Storage

Store in a dry location at 5 – 25°C. DO NOT REFRIGERATE. Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

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