



■ Product Description

JS3070 is a silver paste designed for use as back electrode on single or polycrystalline silicon solar cells. For this application, with an infrared kiln is used, a shorter peak firing time and total cycle than conventional alumina substrate electrode is recommended.

■ Paste Properties

1) Inorganic Content (%)	:	71-73
2) Target Silver Content (%)	:	70
3) Viscosity (KCPS)*	:	130-230
4) Shelf Life(Month)	:	6

*BrookField HB DVII , spindle #14 10rpm 25C

■ Key Features

- 1) Pb Free ROHS compliant
- 2) Excellent Solderability
- 3) High Conductivity
- 4) Long Shelf Life
- 5) Excellent adhesion

■ Recommended Processing Procedure

- STORAGE - Containers should be stored in a stable environment in a temperature range 5-30 C , with their lids tightly sealed .
- PRINTING - 175-325mesh stainless or PE screen are recommended , depending on film thickness .
- DRYING - peak 120-150 5-10 min is

Specifications are subject to change without notice. It is recommended that actual characteristics be reviewed in the final application before purchase, or ask factory for the technical support.



recommended

- FIRING - peak 625-850 10-30 sec firing with
total cycle 60-90 sec

■ Thinner

This composition is optimized for printing , thinning is not normally required .

Use Joyin recommended thinner JT9000 for slight adjustments to viscosity , recommending less than 2% thinner ,

■ Processing Notice

- Containers should be stored in a stable environment in a temperature range 10-25 , with their lids tightly sealed .
- Storage in a freezer (lower than 0) is not recommended as this could cause irreversible changes in materials .
- Higher temperature will induce a lower viscosity ,hence solid settling . Do not put container on a high speed roller for mixing . Recommend to stirred by hand or low speed mixer thoroughly prior to use .
- Fired silver can react with sulfur forming silver sulfide which contaminate the silver surface with light brown colouring . Avoid any sulfur containing package during process .

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