

# Inks of Organic Cu-Precursors with Short Carbon Chain

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## Abstract

*Based-Cu printing inks (20wt% Cu) and (9.6wt% Cu) were prepared using the short carbon chain organic Cu-precursors formed during the preparation of the inks, which can easy form a favourable conductive film onto glass slides at 290<sup>°</sup>C and 220<sup>°</sup>C (Fig.1). The resistance of the film induced by the oxidation of Cu and remainder of long carbon chain Cu-precursors markedly decreased, than usual. The influence factors on the formation and conductive mechanism of the copper ink and film were discussed.*