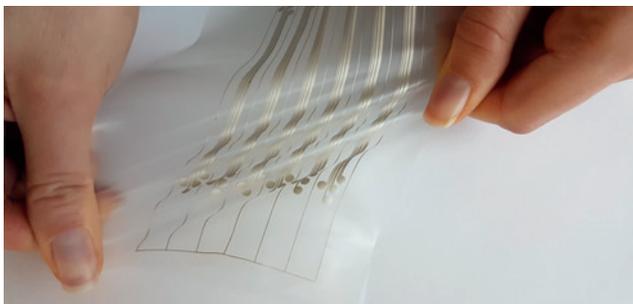


Bectron® CP 6681

Low temperature silver paste



Printed traces with silver screen printing paste Bectron® CP 6681 on stretchable TPU film

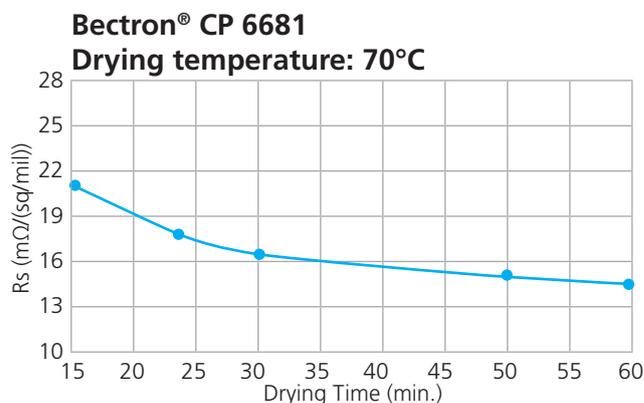
ELANTAS Europe has been developing and producing materials for electrical engineering worldwide for many decades. The Product line Printed Electronics expands the product range with electrically conductive and insulating screen printing pastes for membrane switches, In-Mold Electronics and hybrid electronics.

Drying temperatures for silver screen printing pastes often range between 90°C and 130°C. For substrates such as glass, ceramics, PET, polycarbonate or polyamide films, this is usually unproblematic. However, applications on temperature-sensitive substrates such as textiles, stretchable films and low-cost materials are becoming more widespread. In particular, the new field of smart textiles and special sensor applications are a significant driver for new developments.

With the conductive silver screen printing paste Bectron® CP 6681, conductive tracks can be realized on temperature-

ELANTAS Europe is a leading manufacturer of insulating and protective materials for the electrical and electronics industry. The Product Line Printed Electronics offers a wide range of conductive, insulating and functional screen printing inks for applications such as membrane switches, touch surfaces, in-mold electronics, hybrid electronics, sensors, RFID antennas and electroluminescent lighting.

sensitive substrates at a drying temperature of 70°C and a drying time from 15 minutes. In combination with the UV-curable screen printing insulators Bectron® DP, many new printed electronics applications are possible. The silver paste, originally developed for polycarbonate, has already proven its worth in combination with TPU film. Printing on other substrates such as PMMA, ABS, cellulose acetate, PVC and many others is also feasible. The layer resistances that can be achieved are subject to a certain substrate dependence. The typical track layer thicknesses are in the range of 5µm.



Typical sheet resistances of the conductive silver screen printing paste Bectron® CP 6681 on polycarbonate film at a drying temperature of 70 °C

Contact us, convince yourself and do not hesitate to ask for a sample. For questions about the choice of appropriate materials or application-specific topics, please feel free to contact us.

ELANTAS Europe GmbH

Grossmannstr. 105 · 20539 Hamburg, Germany

Tel. +49 40 789460

advancedPrinting@altana.com

www.elantas.com/europe

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