

DIGITAL PRINTING

Digital printing of films for input systems

Digital printing refers to a method of printing from a digitally based image directly onto the final printed media. A variety of digital printing processes can be used for the production of membrane switches, including toner and inkjet. Within inkjet technology, various ink options are available, including dye, pigmented, solvent and UV-curable ink.

SOME BENEFITS OF DIGITAL PRINTING IN THE PRODUCTION OF MEMBRANE SWITCHES

- Photorealistic gradients
- Production of a single unit possible
- Individualisation and variability to meet specific customer requirements
- Low production costs



Figure: Digitally printed film

Since conventional screen printing technology and digital printing are increasingly being merged, the subject of «hybrid printing» is also of particular interest. This applies not only to the recommended back-printing of the digitally printed layout by screen printing with barrier inks, but also to direct printing of the standard films designed for screen printing with UV inkjet printers. In this context, the rapid development of inks and UV drying increasingly permits use of both technologies on a single film with only minor limitations as regards possible applications. Like our films developed specifically for digital printing, some of our conventional products are also suitable for hybrid printing.

Product liability clause

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. These shall be beyond our control, and be subject to your exclusive responsibility. The sale of our products shall be subject to our current "General Terms and Conditions".

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FOLEX PRODUCTS SPECIFICALLY FOR DIGITAL PRINTING:
GO-AG DUV, GO-AG DL, GO-AG DES

GO-AG DUV FOR UV INKJET PRINTERS

Film with a coating on the reverse side for digital printing with UV inkjet printers. Polyester film with an anti-glare coating on the front side, suitable for window and structure printing with two-component lacquers.

GO-AG DES FOR ECO-SOLVENT PRINTERS

GO-AG DES is a polyester film with a coating on the reverse side for digital printing with eco-solvent inkjet printers. The front side has an anti-glare coating suitable for window and structure printing with two-component lacquers. The product likewise offers very good UV stability, making it also highly suitable for outdoor applications.

GO-AG DL FOR LASER PRINTERS

Film with a coating on the reverse side for digital printing with laser printers. GO-AG DL is a polyester film with an anti-glare coating on the front side, suitable for window and structure printing with two-component lacquers.

The above films can be used as a top layer for prototype and serial production of membrane switches, front panels and other graphic displays. The reverse side can be printed and sealed with screen printing inks.

Interested? For further questions please do not hesitate to contact us. We will be very pleased to help you. If required we will be pleased to send you also material samples.

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