IMD Technology / **Film Insert** Molding

The proven NORIPHAN[®] HTR N screen printing inks are used worldwide for film insert molding applications and dial printing. Thanks to permanent product development, further ink systems have been developed such as the formable two-component ink systems NORIPHAN® XMR and XWR. Both ink systems can be used as a washout barrier during the injection molding process while showing excellent adhesion in compound and long term durability in the final part.

The black color shades of NORIPHAN[®] XMR and XWR can be used for over printing of conductive pastes in functional IMD/FIM parts due to their high electrical resistance.

NoriPress[®] PP

AquaPress® or

NORIPHAN® XMR + HTR N

Innovative Inks & Functional Lacquers

NORIPHAN® HTR N 990 NC, a carbon-free, non-conductive black, is available for printed electronic applications.

Doill

The one-component NORIPHAN[®] HTR N black color shade can be used for decorative prints, but is mainly used for multi-layer printing and backing of conductive pastes.



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NoriPress[®] SMK (solvent-based) and AquaPress[®] (water-based) are adhesion promoters / bonding agents for IMD/FIM technology. These products can be used as an overprinting adhesion primer to enhance the bonding of IMD/FIM inks to various low melting point resins as well as for laminating different film types. AquaPress[®] can be back molded with PC, ABS, and PMMA resins. NoriPress[®] SMK can be back molded with PA additionally. NoriAmid[®] APM is an adhesion promoter especially developed for PA materials. NoriPress[®] PP is suitable for back molding with PP resin. **NoriCure[®] IMS** is a formable UV screen printing ink for film insert molding applications. Overprinting with suitable IMD/FIM adhesion promoters is compulsory! Process inks for printing high resolution 4C pictures are available.

PΡ

PC

PP films

PC films

NoriCure[®] IMS