

LDI for plastic

Code M994716K001000

PRODUCT DESCRIPTION

Thermoformable solvent-based ink characterized by a vinyl-acrylic resin for screen-printing. It belongs to **Light Diffusing Ink (LDI)** series.

APPLICATION FIELDS

LDI for plastic, like all inks that belong to **Light Diffusing Ink (LDI)** series, is a product developed for printing on optically transparent plastic substrates coupled with one or more LED arrays.

The printing is transparent when the light source is turned off and it appears visible when LEDs are turned on.

The ink is perfect for the decoration of transparent panels with light.

APPLICATION PROCESS

Substrates	PC, PMMA, PVB
Th/Cm	From 77 to 120
Squeegee	Square edge Squeegee hardness 60-65 shores
Drying	<i>Tack-free</i> is achieved at room temperature within 30 minutes, or at 50-60°C in few minutes
Blank Ink	SERINK TRANSPARENT FOR PLASTIC - M994721K001000
Thinner	THINNER 90.924 - A31890924
Cleaning	Solvente Lavaggio LQ 90.920
Storage	If kept in its original sealed package, at a temperature between 15 and 25°C, the product has a shelf-life of 2 years
Safety Data Sheets	Available upon request

GENERAL FEATURES

- High transparency
- Good chemical resistance
- Excellent flexibility
- Excellent adhesion
- Thermoformable

PREPARATION

Before using it, the ink must be mixed well and, in case, diluted with **DILUENTE 90.924** up to 20% on weight, according to printing requirements. Wait for some minutes before printing.

TECHNICAL FEATURES

The performance of the product, printed with a 120 th/cm screen, is about 50-60 m²/Kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment.

OPTICAL FEATURES

According to the requirements of lighting design, the ink **LDI for plastic** could be mixed with **SERINK transparent for plastic** (Code M994721K001000) in order to reduce the optical diffusion of the light.

SPECIAL INSTRUCTIONS

Always test the characteristics of the product before starting production.

The above information is the result of previous knowledge and experience; it is neither a guarantee nor an assurance.

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us of the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: safety@eptainks.com

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications and the related required certifications of the finished items.