

## Micro Lam Plus

### Solvent Based Printing Inks for Flexible Packaging

#### Description

For reverse printed lamination application on flexible films. Polyurethane based reverse lamination application ink suitable for various flexible films.

#### Application

Flexible packaging for confectionary and general purpose product pouches printed on different types of flexible substrate. Liquid packaging like shampoo sachets, oil pouches. Suitable for solvent based / solvent less adhesives and extrusion lamination. Lamination bonds are dependent on substrate type and quality, adhesive type and film weight applied.

#### Print Process

Gravure

#### Print Substrate

Normal PET, CT PET, CC PET, Treated BOPP (PCT / HST), Nylon, PVDC coated film, PT Cellophane

#### Key Product Feature

Excellent printability and re-solubility

High color strength

Higher bond strength

Varsatile ink suitable for all types of polyester

Low solvent retention

Suitable for speed from 100 M/M to 350 M/M

#### Properties

Ink adhesion	4
Heat Resistance	NA
Gloss	NA
Light fastness	2 — 7
Water Resistance	NA
Deep Freeze Resistance	NA
Vegetable Oil Resistance	NA
Lamination bonds	> 100 gmf/15 mm

#### Rating Scale

1=lowest, 5=best value

#### Note

All resistance properties are guideline only, and dependent on pigment selection, tone to tone (half tone & full tone), print quality and substrate to substrate. All resistance properties / LF are guideline only, and dependent on pigment selection, tone to tone (half tone & full tone), print quality and substrate to substrate.

Print V iscosity	GRAVURE
Viscosity (In sec by B-4 cup @ 30* C)	15 — 20
Diluent	
Slow	MIBK/TOL/IPA — 2/2/1
Normal	MEK/TOL/IPA — 2/2/1
Fast	MEK/TOL/IPA — 3/2/1
Retarder	MIBK

#### Remark

Not recommended for surface printing application

Use 3% ABA in case of CC PET to avoid blocking

For better chemical resistance, long shelf life of packaged products, for retort and boil application and for extrusion lamination process, 0.5 to 3% Microlam hardener is suggested to use I the last color or all colors (based on requirement)

#### Health and safety

Read the Health and Safety guidelines before using these products. The user is responsible for all local legislation requirement and packaging conditions.

#### Ink Handling

Please refer to general guidelines for handling inks for flexible packaging