

Micro Hiflon Plus

Solvent Based Printing Inks for Flexible Packaging

Description

For Reverse lamination / Surface printed application on flexible films. NC based versatile ink, suitable for Reverse lamination / Surface printed application on flexible films.

Application

Flexible packaging for confectionary and general purpose product pouches printed on various flexible substrates, Label printing Milk pouches, Oil pouches, All laminate pouches, Various laminate pouches, Shopping bags

Print Process

Gravure & Flexo

Print Substrate

CC PET, BOPP, LDPE, Paper, Foil, BOPA, Pearl BOPP

Key Product Feature

Excellent printability and re-solubility

High color strength

Higher bond strength

Versatile ink suitable for various types of flexible substrates

Good deep freeze resistance in surface application

Low solvent retention

Suitable for speed from 50 M/M to 400 M/M

Properties

Ink adhesion	5
Rub Resistance	4
Heat Resistance	160 — 180 * C
Anti Scratch	4
Gloss	4
Light fastness	2 — 7
Water Resistance	4
Deep Freeze Resistance	4
Vegitable Oil Resistance	4
Lamination bonds	> 100 gmf/15 mm

Rating Scale

1=lowest, 5=best value

Note

All resistance properties are only 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 Viscosity	FLEXOGRAPHIC	GRAVURE
Viscosity (In sec by B-4 cup @ 30* C)	20 — 25	15 — 20
Diluent		
Slow	n-Propanol/n-Propyl Acetate — 9/1	n-Propanol/n-Propyl Acetate — 3/1
Normal	Ethyl Alcohol/Ethyl Acetate — 9/1	Ethyl Alcohol/Ethyl Acetate — 3/1
Fast	**	Ethyl Alcohol/Ethyl Acetate — 1/1
Retarder	Ethoxy Propanol or Methoxy Propanol	Ethoxy Propanol or Methoxy Propanol

Remark

For excellent adhesion on OPP the extra addition of Adhesion promotor may be required. For excellent oil resistance, overprint varnish is recommended. Lamination bonds are dependent on substrate type and quality, adhesive type and film weight applied. Surface resistance properties are dependent on film treatment level, pigment selection and proper curing.

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.