



Technical Information

Poly Fresh Inks

- **Description**

Surface printing ink designed for deep freeze and oil & fat resistance.

- **Application**

Water pouches, milk pouches, oil and vanaspati ghee packaging.

- **Print Process**

Flexography and Gravure

- **Print Substrate**

Treated films (Minimum treatment level 38 dynes/cm)

- **Key Product Features**

- ✓ Excellent printability and re-solubility
- ✓ Good color strength
- ✓ Excellent ink adhesion
- ✓ Excellent deep freeze resistance (Upto -20⁰ C)*
- ✓ Extremely stable and excellent re-usability
- ✓ Excellent scuff resistance

*Depending on printing conditions and environment. Please find the compatibility of the product before its usage.

Solvent System	
Slow	Toluene:NBA:IPA- 70:10:20
Normal	Toluene:IPA- 70:30
Retarder	NBA (As required)

- **Dilution**

Solvent and solvent blends used for dilution may need to be adjusted in accordance to printing conditions. Namely: printing process, printing speed, oven capability, and graphics such as solids, lines, half-tones and process printing.

To achieve good dot-reproduction use extra retarder.

Depending on printing conditions, the following solvents may be used as retarder or accelerator.

- ✓ Accelerator: IPA
- ✓ Medium: Toluene
- ✓ Retarder: N-butanol

- **Shelf Life**

The inks and varnishes of this series have under normal conditions a shelf life of at least 6 months

Normal Conditions means:

- ✓ Storage in tightly closed containers.

- ✓ No admixtures
- ✓ Temperature not exceeding 25⁰C for weeks or 30⁰C for days

Short time excessive-temperatures e.g. at transport are not harmful. The products are not sensitive to frost.

“Over-stored” inks (typical symptoms: fall in gloss, shift in shade, formation of odour and / or viscosity increase) may normally – off color being exceptions - be used the same way as residual inks by controlled admixture to fresh inks.

Increased viscosity due to long-time storage of inks may generally be adjusted by addition of a slightly higher amount of thinner than the usual.

Please take note of the following:

1. The performance results indicated in this literature are only indicative under controlled conditions of laboratory with virgin & standard packaging grade films. Please do not use lower grades or substandard films. HFL, will not take any responsibility for abnormal results
2. Liability: While the information outlined is given in good faith, it does not constitute a guarantee and neither is one implied as to the specific end use suitability of any product. The customers should always evaluate the suitability of products to their own satisfaction
3. HFL is responsible only to the tune of replacing the ink consumed in case of any printing related problems clearly assigned to in-compatibility

- **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 guideline for handling inks for flexible packaging

For further information, please contact-

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