


**Technical Information**

## Monostar HDPE Inks

- **Description**

For Surface printed application on treated or non-treated HDPE/PP fabric. Printing can be done on both multicolor manual or online continuous printing machines.

- **Application**

Cement bags, fertilizer bags etc.

- **Print Process**

Flexography

- **Print Substrate**

Untreated & Treated HDPE/PP fabric and PP laminated bags.

- **Key Product Features**

- ✓ Good printability and re-solubility of inks
- ✓ High color strength inks.
- ✓ Excellent adhesion on fabric (given that drying of ink is sufficient)
- ✓ Good nail and scuff resistance
- ✓ No damage by reducer to rollers and stereo during printing.
- ✓ Desired shades can be obtained by intermixing standard colors at press room level.

- **Recommendations**

- ✓ For better coverage, kindly reduce the ink with our reducer in the ratio of 1:2
- ✓ Premixing of ink and reducer is important for better performance.
- ✓ Drying of ink with halogen lamps or heaters is necessary for best adhesion.
- ✓ Do not keep ink or reducer in open after usage.

<b>Solvent system</b>	
Normal	Recommended reducer of HFL
Retarder	Recommended reducer of HFL

Manual hand fed speed	40 bags/min
Online speed	80 bags/min

- **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 25<sup>0</sup>C for weeks or 30<sup>0</sup>C 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.

- **Additional Products-**

- **Monotop HDPE Series-** Monotop inks can be used where no rub or tape adhesion is required. Although the ink shows good tape adhesion when printed over corona treated HDPE/PP bags. Reducer can be the same as that of Monostar Inks.
- **Fertilizer HDPE Series-** This ink provides excellent rub and scratch resistance. Not recommended where tape adhesion is required. This is toluene-free ink and hence can be used for food grade application. Reducer for this ink is food grade as well. Excellent range of ARSR products available.

- **Remark**

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

- **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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