

**Technical Information**

## Ultralam Extrusion Inks

- **Description**

This ink is formulated for reverse printing by gravure system which further goes in extrusion lamination with PP on woven sacks.

- **Application**

Packaging of rice, oat meal and other food products

- **Print Process**

Gravure

- **Print Substrate**

Applicable on corona-treated (38-42 Dynes/cm) BOPP Film

- **Lamination**

PP Extrusion lamination between printed BOPP and PP woven fabric

- **Key Product Features**

- ✓ Extremely high bond strength on PP extrusion lamination
- ✓ Excellent printability resulting in clean and sharp images.
- ✓ Low solvent retention/ low odor.
- ✓ Extremely stable and excellent re-usability
- ✓ Excellent half tone reproduction
- ✓ Suitable for speed from 100 M/M to 350 M/M
- ✓ Desired shades can be obtained by intermixing standard colors at press room level.

<b>Solvent system</b>	
Normal	Toluene:Ethyl Acetate- 50:50
Fast	Ethyl Acetate
Retarder	MIBK (As required)

- **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

- **Remark**

Not recommended for surface printing application.

Kindly inform our technical team for ARSR properties.

- **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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