

Universal Low Migration Ink

THE solution for stand out product appeal

- Excellent shrink characteristics, more than 70% with good retained adhesion.
- Steam or hot air shrink
- No requirement for primer or protective lacquer
- Printing speeds of 150-200 m/min (dependant on lamps)
- Resistance to chemicals - good, subject to laboratory testing



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PULSE



Universal Low Migration Ink*

A solution for:

Low Migration

UV Curable



* subject to appropriate testing to current legislation.

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Pulse Roll Label Product Range

Specialising in the formulation of bespoke products to suit the individual needs of the narrow web market, Pulse Roll Label Products Ltd offer a truly comprehensive range.

UV Flexo Inks

- HD High Definition inks for flexible packaging
- FLEXWRAP inks for shrink sleeves
- UV SCREEN for combination printing

UV Varnishes

- Flexo, screen, coater and duct varnishes in gloss, matt and satin finish to cover a variety of specifications.

Laminating Adhesives

- UV curing products with high bond strength suitable for food and chemical packaging

'Inspira' Speciality Products

- A full range of special effect and chemical indicator inks including fluorescent, luminescent, pearlescent, thermochromic and textured effects.

Waterbased Inks

- Narrow web flexo inks for film, paper and thermal applications
- High speed flexo inks for flexible packaging and synthetic materials

Cationic Products

- A range of coatings and laminating adhesives suitable for the most demanding specifications on synthetic materials

Universal Low Migration Inks—SLM

The SLM Series of UV inks and coatings offer a range of EuPIA food packaging compliant formulations featuring:

- Excellent shrink characteristics, more than 70% with good retained adhesion.
- Steam or hot air shrink.
- No requirement for primer or protective lacquer.
- Excellent adhesion on a range of other synthetic substrates such as PP, PE, BOPP coated paper
- Printing speeds of 150-200 m/min (dependant on lamps).
- Resistance to chemicals - good, subject to laboratory testing.
- Shrink Films- typically* PVC,PET,PET-G,OPS.
- Due to the diverse nature of different substrates it is essential that each grade/application is tested thoroughly prior to commercial production

To achieve compliance it will be necessary to carry out a suitable evaluation. Please contact Pulse Roll Label for advice on this evaluation process. It must also be remembered that the manufacturer of the packaging and the filler are responsible for the properties of the food packaging and its compliance with legal requirements. ***The packaging ink suppliers are not able to issue certificates or declarations of compliance which cover the legal responsibility of others in packaging chain.***

Note: It is important to note that the EuPIA Guideline recognises that the requirements are challenging and that there will be a need for a Continuous Improvement Strategy to control the potential migrants from packaging inks. It is envisaged that a significant period of time will be required in order to test, and where the required limits are not achieved, to generate an action plan that sets out a programme to ensure compliance within an agreed and manageable timescale.

Regulation

· European Commission Regulation (EC) No 2023/2006 on good manufacturing practice (GMP) for materials and articles intended to come into contact with food. This has an annex referring to printing inks.

· Regulation (EC) 1935/2004 requires, in Article 3, requires that materials and articles in contact with food, do not transfer their constituents to food in quantities that could

- Endanger human health; or
- Bring about an unacceptable change in the composition of the food; or
- Bring about a deterioration in the organoleptic characteristics.