

TECHNICAL DATA SHEET

1. DESCRIPTION

Euroflex OP OPV 20 is a matt flexo-gravure ink for printing Polyethylene and polyolefin films.

2. PRODUCT FEATURES

Euroflex OP OPV 20 inks:

- Excellent adhesion
- Excellent velvet effect
- Good heat resistance : 140-160°C
- Good printability

3. APPLICATIONS

Euroflex OP OPV 20 is recommended for surface printing of Paper, Polyethylene and OPP films for producing bags, gift-wrap paper, ribbons.

Excellent velvet effect, high tint strength and good scuff resistance.

Since the ink contains silica a high cylinder pressure can impart to the printed goods a translucent appearance. For printing OPP the series has to be previously added with 4-5% of adhesion promoter.

4. SUBSTRATES

EUROFLEX OP OPV 20 inks are suitable for the following substrates:

- Paper
- High and low density treated PE
- Baked aluminum (pre-treated with nitrocellulose primer)
- Aluminum laminated to paper (pre-treated with nitrocellulose primer)
- Acrylic coated OPP
- OPP and Coex OPP corona treated > (38 dynes/cm)

4.1 Adhesives

EUROFLEX OP OPV 20 series is not used for producing laminate

EUROFLEX OP OPV 20 series are supplied on requested shades

5. GENERAL HANDLING

5.1. Storage:

- EUROFLEX OP OPV 20 inks are considered highly flammable. Suitable precautions should be observed to avoid ignition sources.
- Temperature of storage: from 5°C to 35°C
- Shelf life: 12 months under above conditions

5.2. Waste disposal

- Care should be exercised in the disposal of printing ink waste. This should be carried out in accordance with good industrial practice, observing all the appropriate regulations and guidelines.

For more specific handling advice refer to the Safety Data Sheet (SDS).

6. PRINTING CONDITIONS

6.1. Printing Viscosities

Before use mix the product and add the solvent needed to obtain the right print viscosity. The print viscosity is subordinated to the print system used and the conditions of speed of the machine, indicative rates could be:

- Flexography 16-25" sec (Din cup N° 4)
- Rotogravure 13-15 sec (Din Cup N°4)

6.2. Reducing Solvents

- Flexography:
 - Normal: 80% ethyl alcohol/20% ethyl acetate
 - Slow: methoxypropanol
- Rotogravure:
 - Normal: Ethyl acetate or mix 80% ethyl acetate 20% alcohols
 - Slow: methoxypropanol
 - Mixtures of alcohols and ethers

6.3. Cylinders / Plates

The EUROFLEX OP OPV 20 series can be used with all types of aniloxes and photopolymer plates used in flexography.

7. END-USE SAFETY

The good application of the inks depends on:

1. control of weight of applied ink
2. adequate drying on press
3. the correct structure of the laminate
4. correct design of the packaging
5. monitoring of all substances that might migrate from the ink and/or substrate
6. control of other parameters related to the article

Choice and control of film weight, drying, substrate and adhesives are printer technical requirements for which the Euroink Distribution technical team can provide assistance in the form of suggestions or direct support.

Food Packaging: Food packaging: in the event the printed packaging is for food contact it be reiterated that the entire process chain is held responsible.

With particular regard to the potential migration of the substance from the printed packaging to the food contained therein the printer and the food packager have the prime responsibility of guaranteeing correspondence of the selfsame packaging to the regulations in force.

To fulfil its responsibility within the supply chain Euroink Distribution will provide details to the customer of potential migratable components, where present in its inks, through the preparation and communication of a 'Statement of Composition'.

8. DISCLAIMERS

The Euroflex OP OPV 20 ink is not intended to direct food contact.

This list of applications, substrates and processes provided in this document is not exhaustive. Please contact your local Euroink Distribution representative for full technical evaluation of your application or process.

9. TECHNICAL ASSISTANCE / CONTACTS

For further information, please contact your local Euroink Distribution team.

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Our Products are intended for sale to professional users. The information herein is general information designed to assist customers in determining the suitability of our products for their applications. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Euroink Distribution be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.

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