Silk Screen Inks
Products Information
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Untreated PP Gloss Ink (PPG)

PROPERTIES

PPG is a solvent-based screen printing ink suitable for printing onto containers made from untreated or pretreated polypropylene. This ink system has a high gloss finish and excellent adhesion, giving it good rub-resistance.

INSTRUCTIONS FOR USE

Thinning and Cleaning

- Stir well before use.
- PPG inks should be mixed with 5-10% Retarder 6032 before printing.
- Cleaner 2940 should be used to clean PPG from the screen. For heavy ink stains, Screensolve can be used. Please refer to the relevant P.I. Sheets for more information.

Printing

- PPG can be printed through any type of mesh, but for the best printing results it is recommended that monofilament P90-48 to P120-34 be used.
- PPG can be printed through a variety of solvent resistant stencils, such as Diazol (PU220), and Diazol Fast (S42).
- 1Kg of ink will print an area of 65-75 m 2 through a P120-34 mesh.
- A snap distance of about 2-3 mm is required for a good release of the print from the screen.
- Apply Spray Way SW82 all over the print table to firmly hold the substrate in place during printing. Due to the wide range of substrates available, it is advisable that the ink be tested fully prior to printing.

Drying

PPG inks are dried through solvent evaporation. They can be jet-dried at 60°C(140°F) in 15-20 seconds. PPG can also be dried at the normal room temperature in about 15-20 minutes, depending on the ambient temperature. Optimum adhesion is achieved after drying at 70°C/160°F for 1-2 minutes.

Plastics

Always fully test the ink before beginning a production run, as there is often considerable variation in plastics from different manufacturers and even between different batches.
The surface of some types of plastics are coated with lubricants, mold release agents or anti-static coatings and this may impair adhesion.

Product Resistance PPG is resistant to the following products:

Solvents: 6032 Retarder 2940 Cleaner

Storage: PPG inks should be stored in a sealed container between 5-25°C.

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Substance Tested: Excellent
Battery Acid, Water, Bleach, Washing Up Liquids, Sodium Hydroxide, Motor Oils, Hydraulic Oils, Vegetable Oils.
Good: Kerosene
Compatibility tests should be carried out between the ink and the product to be packed before printing.

SAFETY AND HANDLING
PPG inks should be used with care. Wear suitable PPE, for example, appropriate gloves and safety glasses. Inks marked with a (T) contain heavy metals and should not be used for printing items that might be chewed by children. They are also harmful to the unborn child. All other colors comply with the following standards: Standard of the European Economic Community, the United Kingdom Toys (Safety) Regulation 1974, Standard of Germany and French Toys Standard. Whilst working with the ink, the consumption of food and drink, and smoking are not recommended.

ENVIRONMENTAL INFORMATION
PPG Inks:
• Are formulated free from ozone depleting chemicals as described in the Montreal Convention.

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