

## Specialty Product POLYOLEFIN INKS

(FLEXOGRAPHIC/GRAVURE)

IT04  
(3/10)

- Product Type:** Specially modified co-solvent polyamid.
- Printing Method:** Flexographic or Gravure
- Suggested Uses:** Specifically designed for minimal or indirect food contact applications, or where low lead and other heavy metal content is required, such as exterior printing of food packaging materials, toy labels, safety seals and similar applications.
- Substrates:** Formulated specifically for corona treated polyolefin films (polyethylene and polypropylene). Can also be used on Tyvek<sup>®</sup>, polyesters (Mylar<sup>®</sup>), nylon, aluminum foils, many cellophanes and most paper stocks.
- Plates and Rollers:** Natural rubber, Cyrel<sup>®</sup> and other photopolymer plates and rollers are normally acceptable.
- Additives and Diluents\*\*:** Normally supplied at higher than “press-ready” viscosities to allow viscosity and drying rate adjustment flexibility at press-side.
- Recommended Solvents:** The following solvents and blends are intended only as a guide. Other diluents and/or ratios may be better suited for your specific application. For additional assistance contact our Technical Service Department.
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| Normal: | 80% Normal Propyl Alcohol<br>20% Aliphatic Hydrocarbon (Hexane, Heptane, Isopar E <sup>®</sup> ) |
| Fast:   | 50% Isopropyl Alcohol<br>50% Aliphatic Hydrocarbon (as above)                                    |
| Slow:   | 100% Normal Propyl Alcohol or<br>100% Normal Butyl Alcohol                                       |
- Cautions:** Natural rubber and some photopolymers may be adversely affected by high concentrations of hydrocarbon solvents. If problem occurs, use Buna-N or nitrile-based photopolymers. Storage at low temperature (45°F or lower) may cause gelling. Gel can be reversed by allowing ink to come to room temperature and stirring with a high-shear mixer.
- Color Availability:** Available in PANTONE<sup>®</sup>\* base colors. Other colors available upon request.
- Shelf Life:** Minimum one year in unopened containers.
- Safety\*\*:** All components used in our specialty product inks are sanctioned by the FDA and USDA as acceptable for indirect food contact applications. Additionally these inks comply with Consumer Product Safety Commission, Title 16 CFR, Sections 1500.17 (a) and 1500.18 with regard to lead and other heavy metals described therein. Also meets the safety specifications of US ASTM F 963 and European EN 71.

\*Pantone<sup>®</sup>, Inc.'s check standard trademark for color reproduction and color reproduction materials.

\*\*Note: Safety is based on ink as supplied or diluted as indicated in this bulletin. No other materials should be added unless specifically recommended by Colorcon.