



# JetGreen POP

*Environmentally Friendly Bio-based Digital Ink System*

Polymeric Imaging is proud to announce the release of the **JetGreen** POP Series; the industries first bio-based UV Digital ink system. The foundation of **JetGreen** is based on the premise of using both sustainable and organic compounds which contribute to **JetGreen's** ability to reduce its petro-carbon footprint. **JetGreen** is 100% V.O.C. free. It contains a variety of renewable organic carbon neutral components, along with biogenic or recycled carbons. As defined by the USDA, the bio-based content analysis using ASTM-D6866 indicates that **JetGreen** is rich in content of renewable bio-based components and of neutral or biogenic carbon composites. This series exhibits outstanding adhesion to the widest variety of common POP substrates. When properly cured, **JetGreen** has excellent water and moisture resistance, the best of any digital ink on the market today. This unique series is designed for interior or exterior durability on first or second surface applications.

## Performance Properties

- Excellent chemical, water / moisture resistance
- Flexible for multi-layer applications
- Elevated color strengths for backlit applications
- Clean, strong, vivid colors offer a spectacular color array
- Environmentally friendly, reduced carbon footprint

## Curing/Processing Guidelines

**JetGreen** cures well when utilizing an optimal cure window of 125-160 mJ / 550-650 mW. This should provide a proper thorough cure of the product. Adhesion should be a minimum of 95% from curing unit with final adhesion developing within four hours of initial polymerization.

Even though the cured ink film has been engineered to optimize processing and handling, the printer must assume responsibility for pre-testing and qualifying the parameters of printed parts prior to production.

## Storage

Care should be taken to store ink in tightly closed containers located in a cool (60-80°F/15-27°C) dark place. After long production runs, excess ink from the screen should be properly disposed of. With suitable conditions, unopened ink is expected to have a shelf life of approximately twelve (12) months from date of manufacture.

## Recommended Substrates

- Polystyrene
- PETG
- Polycarbonate
- High Impact Polystyrene (HIPS)
- PVC
- Acrylic
- Vinyl Banner
- Polyethylene Banner
- Pressure Sensitive Vinyl
- Fluted Polyolefins\* & HD Polyethylene\*
- Coated Cardstocks

\*Flame or Corona Treatment is necessary at 38 dyne min.

## Lightfastness

**JetGreen** uses only the highest grade of pigments available today. **JetGreen's** exterior durability is largely dependant on the amount of ink deposited, which is directly related to the head type and nozzle size. When used at 100% strength **JetGreen's** estimated exterior durability is up to three years. A **JetGreen** high performance clear is available for applications where extended durability is required. Please call for additional information.

## Precautions

Read the material safety data sheet prior to processing. It contains instructions for precautions to be taken when handling inks. If ink comes in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent). Wash and rinse the affected area with soap and water.

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