

## PROSHINE™

Solvent Surface ink

### Product Overview

PROSHINE™ is nitrocellulose base blendable ink developed for high-speed printing of polyolefin substrates. It is formulated for fine process printing utilizing the latest resin and pigment technology. PROSHINE™ has high gloss and scuff resistance. It is intended for medium heat resistance applications.

### Technical Data

- **Substrate Applications:** PROSHINE™ works successfully on polyolefin films, including polyethylene and polypropylene.
- **Solvent Reducer Recommendations:**
  - Normal: 90/10 n-propyl alcohol/n-propyl acetate
  - Fast: 90/10 ethanol/n-propyl acetate
  - Slow: 80/10/10 n-propyl alcohol/n-propyl acetate/slow glycol ether
  - Run the fastest combination consistent with clean printing to assure low solvent retention levels and non-blocking properties.
- **Plate Material:** Photopolymer or natural rubber.
- **Ink Storage:** 50°F to 100°F in provided containers, out of direct sunlight.
- **Anilox:** Line: 200 to 400 ls, Process: 400 to 1,000 ls
- **Recommended Printing Viscosity:** Line: 18" to 25" #2 Zahn cup, Process: 25" to 32" #2 Zahn cup

#### **Cautions:**

- All PROSHINE™ heat resistant applications should be trialed to determine the performance and the suitability for the end use application.
- Generally, PROSHINE™ is not intended for use in heat seal areas.

### Physical Characteristics

- Nitrocellulose base blendable
- Superior color strength
- Excellent gloss
- Excellent printability on polyolefins
- Excellent block resistance
- Ice water crinkle resistance
- Excellent slip properties for polyethylene processing equipment
- Excellent resolubility allows for clean running of fine type and screen applications.
- Good rub and scratch resistance
- HAPs & PFAs free

### Colors Available

PROSHINE™ inks are formulated to have a maximum pigment load while maintaining a low consistent viscosity. PROSHINE™ is available in standard, bleed resistant and permanent pigments. PANTONE® approved bases and mixes are available from several locations. Color computer-controlled bases, matched to any standard are available for customers who have dispensers already in place and wish to avoid changing the database. Inks can be supplied to DE specifications to meet the most stringent customer demands. Due to the high pigment strength of the system, it may require an extender in addition to the ink.



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