



# STARFLEX™

Solvent surface ink

**Toyo Ink America. LLC**

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## Product Overview

STARFLEX™ Series inks are solvent-based inks developed for surface printing of polyolefin substrates, utilizing the latest resin and pigment technology. This series delivers excellent gloss, color strength and scuff resistance.

## Technical Data

- **Substrates:** STARFLEX™ works successfully on polyolefin films, including polyethylene and polypropylene.
- **Solvent Reducer Recommendations:**
  - Normal: 90/10 n-propyl alcohol/n-propyl acetate
  - Fast: Replace some or all of the n-propyl alcohol with ethyl alcohol
  - Slow: Add glycol ether PnP/PM acetate blend, ADD-X1003
  - 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 500 ls, Process: 600 to 1,400 ls
- **Recommended Printing Viscosity:** Line: 18 to 25" #2 Zahn cup, Process: 25 to 32" #2 Zahn cup

**Cautions:** Not for use in heat seal areas

## Physical Characteristics

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

## Colors Available

STARFLEX™ inks are formulated to have a maximum pigment load while maintaining a low consistent viscosity. PANTONE® approved bases and mixes are available. Also available in bleed resistant and permanent pigments upon request. Color computer-controlled bases are available for customers who have dispensers in place and wish to avoid changing the database. STARFLEX™ is controlled to very rigid DE specifications to meet the most stringent customer demands. Due to the high pigment strength of the system, it may require addition of extender to the ink.

For technical assistance, call 1-979-778-1538.

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