



PRODUCT DATA SHEET

Product: PrintSmart™ PUBLICATION INKS

Series: SunOne™ HEATSET INKS FOR VARIOUS APPLICATIONS

DESCRIPTION: Designed to improve quality, consistency and productivity, PrintSmart™ SunOne™ products bring you the best total print solution. Sun Chemical combines ink, consumables, and technical service to create an outstanding package of printing products supported by the resources of the world's largest ink company.

SunOne™ SERIES FEATURES:

- One heatset ink series designed to litho across a variety of substrates including: improved newsprint, supercalendared and light-weight coated papers
- Excellent blanket release, transfer, and smooth lay of solid ink densities.
- Excellent hold-out and gloss
- Process colors conform to standard shades outlined in ISO-2846-1
- Outstanding color control on press with excellent fountain compatibility with various fountain solutions including Rycoline products.
- Proven performance on all types of web offset heatset presses.
- Overprint receptive **and** UV- coatable

SUBSTRATE APPLICATION:

- 28-40# Improved Newsprint
- 28# - 38# SCA & SCB
- 34# - 45# mechanical lightweight ctd (LWC)
- 32# - 45# coated free sheet
- **Note:** Pretest all substrates prior to use in production.

RECOMMENDED WEB TEMPERATURES:

All heatset inks contains petroleum distillates that have a range in drying properties. The ideal web exit temperature is 270-280°F to drive off the distillates from the ink film.

PRODUCT RANGE:

- There are several different options of SunOne™ inks with varying pigment and wax levels dependent on application, performance and economics.
- A variety of black ink options are also available dependent on strength and tone requirements.

STORAGE: Heatset inks should be stored at 70-80°F (21-27°C) for optimum pumping and press performance. Storage of heatset inks outside or below room temperature will increase the tack and ink body and may inhibit efficient ink pumping/transfer. Totes should not be stored outside in extreme cold or hot temperatures. The top of the tote bin is not sealed; water from precipitation can enter the tote if the bin is stored openly outdoors.

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HEALTH AND SAFETY: As with all inks, gloves and safety goggles should be used when handling this product. For more complete information, refer to the relevant Material Safety Data Sheets.

Technical Specifications:

Tack:	5.5 – 8.5 (depends on color)
Viscosity	70 - 140 (depends on color)
UV Coatability:	YES (inline)
Gloss/slip:	Excellent hold-out and gloss
Laser Compatibility:	not recommended
VOC:	Typical range of 30 - 45%

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