

SunChemical®

PRODUCT DATA SHEET

Product: PrintSmart™ PUBLICATION INKS

Series: SUNULTRA™ HEATSET INKS FOR CATALOG, BOOK & COMMERCIAL APPLICATIONS

DESCRIPTION: Designed to improve quality, consistency and productivity, **PrintSmart™ SunUltra™** 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.

SunUltra™ SERIES FEATURES:

- Prints across a wide range of papers including enamel coated, matte coated, and cover substrates with outstanding print quality and finishing capabilities.
- Excellent dot fidelity and exceptionally sharp printing with balanced dot gain and gray balance.
- Exceptional ink-water window and print quality. Good control at and above SWOP densities.
- Excellent rub resistance on all substrates including matte stocks.
- Exceptional transfer: the unique selection of resins and oils help to provide excellent flow through the ink train and efficient blanket release.
- Above average gloss on coated papers without sacrificing print quality or mileage.
- Coatability: Inks are coatable with conventional heatset overprints, aqueous coatings or UV coatings. Successful coating for in-line applications. Off-line UV coating applications should be pre-tested. Ideally, off-line coating should be done within 24-48 hrs of printing.
- Proven performance on all types of web offset heatset presses.
- Excellent fount compatibility with leading industry suppliers including Rycoline solutions.

SUBSTRATE APPLICATION:

- 32-60# coated free sheet
- 50-120# matte coated stocks
- 50-120# cover stocks
- **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 **SunUltra™** inks with varying tacks and pigment levels dependent on application, performance and economics.
- A variety of black ink options are also available dependent on end-use applications (book blacks, 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:

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|----------------------|-------------------------------|
| Tack: | 7.0 - 16.0 (depends on color) |
| Viscosity | 100 - 250 (depends on tack) |
| UV Coatability: | Yes, inline |
| Gloss/slip: | Excellent gloss and slip |
| Laser Compatibility: | not recommended |
| VOC: | Typical range of 30% - 45% |

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