

UV Flexo 9391 Polar White II exhibits high opacity and is specifically formulated for tag and label printing. 9391 Polar White II is designed to provide rotary screen look and feel at UV flexo speeds. 9391 Polar White II has excellent rheology characteristics and gloss making it ideal for most printing equipment, and product applications.

SUBSTRATES

Pressure sensitive vinyl's, top coated and print treated polyester, BOPP films, polyethylene and polystyrene.

USER INFORMATION

While technical information and advice on the use of this product is provided in good faith, the user bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at the end of the document.

ANILOX ROLL

Praxair Rev 250line (cells per inch) with a volume of 15.0 bcm.

DOCTOR BLADE

Reverse angle or chambered doctor blade is recommended

PLATE AND TAPE

Softer plates such as DuPont's DFM and harder tapes such as 3M's 411DL are recommended. Use minimal nip pressure.

PRINTING

9391 Polar White II exhibits excellent intercoat adhesion when used in conjunction with Nazdar[®] rotary screen, UV flexo and water base flexo inks. 9391 Polar White II is formulated to be press ready. Thoroughly mix the ink prior to printing. Pretest to determine optimum printing performance for each set of ink, substrate, anilox, press, curing variables/conditions and any post printing processes.

9391 Polar White II can be affected by stray UV light in and around a printing facility. Be aware of skylights, windows and overhead lights curing the ink. Light filters are recommended. Keep containers covered when not in use.

CURING

9391 Polar White II is formulated to cure using a medium pressure mercury vapor lamp set at 300-600 watts per inch.

CLEAN UP

Use NWC10 EZ Cleaner

STORAGE

9391 Polar White II in unopened containers will have a minimum of 12 months shelf stability when stored at temperatures between 65° - 90°F (18° - 32°C). Polar White taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink. Although the ink may be useable after 12 months, some performance properties may decrease.

GENERAL INFORMATION

INK HANDLING

Direct skin contact to UV inks is the primary route of exposure and irritation. Therefore, it is recommended that all personnel handling UV products wear gloves and barrier cream to prevent direct skin contact. Safety glasses are suggested in areas where ink may be splashed. If ink does come in contact with skin, wipe ink off with a clean, dry cloth (do not use solvent or reducer). Wash the affected area with soap and water. Consult the Polar White Material Safety Data Sheet for further instructions and warnings.

Polar White is a one-part, 100% solids UV-curable Flexo printing ink and does not contain HDODA or Benzophenone.

PERFORMANCE VERIFICATION

After press/job set up is complete, inspect a portion of the printed web for all applicable and specified properties. These properties include but are not limited to: cure, adhesion, mar and rub resistance, product resistance, gloss, and COF. These tests should be performed prior to beginning the full production run.

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for flexographic printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

Based on information from our raw material suppliers, this product is formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

Nazdar Worldwide Headquarters

8501 Hedge Lane Terrace, Shawnee, KS 66227-3290
Toll Free: 866.340.3579 Phone: 913.422.1888 Fax: 913.422.2296
<http://www.nazdar.com> e-mail: custserv@nazdar.com