

9200NC Series UV Flexo Shrink Sleeve Ink is specifically formulated for shrink sleeve applications where extremely low odor is necessary. The ink series is formulated to be compliant with Nestle' listed materials (05/28/2009). The ink is highly flexible, and has excellent rheology characteristics making it ideal for most printing equipment, and shrink sleeve applications. The 9200NC series will shrink to 70%+ depending on application.

MIGRATION TESTING

9200NC Series ink is formulated with low migration materials recommended by Nestle'. The final converter should determine suitability of the end application by appropriate migration testing. Although the 9200NC Series ink is formulated to comply with Nestle' listed materials, all possible sources of migration and contamination should be evaluated for compliance. These include but are not limited to: press wash, ink, substrate, storage and proper cure.

SUBSTRATES

PVC, PETG, PLA and Polystyrene. (Orientation of the material can be MDO or TDO); also BOPP films, polyethylene, some paper and board. Corona treatment may be necessary for some applications. The 9200NC Series is also suitable for surface printing.

USER INFORMATION

ANILOX ROLLS

300-1200 line (cells per inch) corresponding to a volume from 7.5 to 0.8 bcm.

PLATES

9200NC Series is compatible with most UV Flexo plates on the market.

PRINTING

The 9200NC Series ink is formulated to be press ready. Thoroughly mix the ink prior to printing. Maintain ink temperature at 65°-90° F (18° - 32° C) for optimum print and cure performance. Pretest to determine optimum printing performance for each set of ink, substrate, anilox, press, curing variables/conditions and any post printing processes.

The 9200NC Series 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 ink containers covered when not in use.

CURE PARAMETERS

9200NC Series ink cures at web speeds up to 400 fpm when exposed to a medium pressure mercury vapor lamp set at 300 - 600 watts per inch. Thorough cure is critical to low odor and low migration.

These guidelines are intended only as a starting point for determining cure parameters, which must be determined under actual production conditions.

ADDITIVES

All additives should be thoroughly mixed into the ink before each use. Prior to production, test any additive adjustment to the ink. Only Nestle' compliant additives should be used.

Reducer: Use RE393 UV Reducer to reduce the viscosity of these inks. Add up to 10% by weight.

CLEAN UP

For general clean up use NWC10 EZ Cleaner. To meet Nestle' specifications only low odor and non-migratory approved cleaning solvents from the Nestle' list should be used.

STORAGE

Store tightly covered at temperatures between 65°-90° F (18°-32° C). Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

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 9200NC Series Material Safety Data Sheet for further instructions and warnings.

The 9200NC Series ink is a one-part, 100% solids UV-curable Flexo printing ink and does not contain HDODA or Benzophenone.



9200NC SERIES UV FLEXO SHRINK SLEEVE INK

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, COF, and migration. These tests should be performed prior to beginning the full production run.

FADE RESISTANCE

The 9200NC Series inks are designed for interior applications only. The colors designated with (FR) use pigments which have extended fade resistance.

PRODUCT OFFERING

To maintain the integrity of the 92NC formulation, only approved inks and additives from this sheet may be intermixed.

STANDARD PRINTING WHITE

92NC01 Opaque Printing White is press ready and has excellent opacity, flow and adhesion characteristics. The 92NC01 Opaque Printing White is NOT designed to mix with any other 9200 series colors.

PROCESS COLORS

Standard process colors are formulated to print using up to 1200 line (0.8 bcm) anilox.

BASE COLORS

9200NC Base Colors are designed to be high strength. The colors can be mixed together to achieve an unlimited number of strong vibrant colors.

PACKAGING

The Opaque White is available in 11 lb and 50 lb containers, Transparent White is available in 8 lb and 40 lb containers, all other colors are available in 9 lb and 45 lb containers.

Stock No.	Standard Printing Colors
92NC01	Opaque Printing White/Blanco
92NC09	Base Black/Negro (BW8)
92NC10	Reducing Transparent White/Blanco
92NC11	Base Yellow/Amarillo (BW5)
92NC12	Base Orange/Naranja (BW6)
92NC13	Base Warm Red/Rojo (BW5)
92NC14	Base Rubine Red/Rojo (BW5)
92NC18	Base Reflex Blue/Azul (BW5)
92NC19	Base Process Blue/Azul (BW8)
92NC20	Base Green/Verde (BW8)

Stock No.	Fade Resistant (FR) Colors
92NC21	FR Yellow/Amarillo (BW7)
92NC22	FR Orange/Naranja (BW7)
92NC23	FR Warm Red/Rojo (BW7)
92NC24	FR Rubine Red/Rojo (BW8)
92NC25	FR Rhodamine Red/Rojo
92NC26	FR Purple/Morado (BW8)
92NC27	FR Violet/Violeta (BW8)
92NC28	FR Reflex Blue/Azul (BW8)
Stock No.	Process Colors
92NC41	Process Yellow/Amarillo (BW5)
92NC42	Process Magenta (BW5)
92NC43	FR Process Cyan/Azul (BW8)
92NC44	FR Process Black/Negro (BW8)
92NC47	FR Process Yellow/Amarillo (BW7)
92NC48	FR Process Magenta (BW8)

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 flexo 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, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

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