



Pad Printing Ink Data Sheet

INK-434

****NOTE:** Read Material Safety Data Sheet (MSDS) Prior To Use

PROPERTIES:

Ink 434 is a high speed, single component ink formulated for un-treated Polypropylene.

The ink viscosity may be adjusted with thinner (if needed). A slower drying thinner or retarder may be added to slow drying rate during printing.

Recommended room temperature: 70-78 degrees F. Recommended room humidity 30-50 %

PAD PRINTING:

Ink-434 is supplied in paste form. This ink is recommended for sealed cup as well as open ink well pad printing systems.

Recommended cliché depth for pad printing is 17 to 25 microns, depending on type of cliché. The ink can be applied single or double hit. If a double hit is required, additional cure time may be needed.

ADDITIVES

THINNER VD - For most applications - 10 to 15% by weight

THINNER BGA - Slower evaporation Than "VD" - 10 to 15% by weight

THINNER B- For high speed applications - 10 to 15% by weight

Retarder: TPD RETARDER (1 To 3 % by weight)

Other: FULLER 33 at 6 % by weight for write-on capable Ink

COLOR SHADES:

Base colors: C-Mix 2000. Mixing system for matching of RAL, PMS and HKS color shades

Opaque colors: Standard HD. Extremely opaque color shades

Process colors: 4 color shades according to Europe scale

Custom colors: available upon request.

DRYING & CURING:

Ink Type 434 dries to the touch within seconds at room temperature. Drying time may be reduced with forced hot air at 200 – 400 degrees F. Normally, full cure is achieved after one to two days depending on curing temperature time, and humidity. Heat curing is recommended for better adhesion and performance results.

STORAGE: At room temperature 60-80 degrees F with low humidity

SHELF LIFE:

Ink 434: Reseal lid tightly after using. See container label

Thinner: Reseal lid tightly after using. See container label

Retarder: Reseal lid tightly after using. See container label

Our NT Series Inks conform to US C.O.N.E.G. Legislation and European Standard EN 71, part 3 Safety of Toys (1989) For special applications please call us.

The statements in our product and safety data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship. We provide these details to inform customers about

Trusted Partner for Your Product Decorating Needs

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our products and their possible applications. However, on account of various factors influencing processing of our products it is absolutely essential to carry out printing trials under local production conditions. Choice of individual ink types and their suitability for the intended application is the sole and entire responsibility of the user. We do not assume any liability for any problems of technical or process-related nature. Any liability shall be limited to the value of the goods delivered by us and processed by the user. All former product data sheets are no longer valid

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