

# Pad Printing Ink

## Type PC

### Ink Data Sheet

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

**Ink Type PC** is a two-component product supplied in paste form. Hardener must be added for production use. Ink and hardener should be thoroughly mixed prior to adding thinner. During printing, the ink viscosity may be adjusted with thinner (if needed). A retarder may be added to slow drying rate during printing (normally for high room temperatures or multi-color use). Under most conditions, ink pot life will not exceed eight hours. Recommended room temperature: 70-78 degrees F. Recommended room humidity 30-50 %

**ADDITIVES:** (See Additives Chart for more listings)

**Hardeners:** (mixing ratio, ink to hardener)

- BH HARDENER (10 : 1 Ratio by weight) For most applications.
- BH/N HARDENER (10 : 1 Ratio by weight) More ultraviolet light and abrasion resistant but requires additional drying time.

**Thinners:**

THINNER B (5 to 20 % by weight) Faster

VD THINNER (5 To 20 % by weight) Medium

THINNER BGA (5 To 20 % by weight) Slower

**Retarder:**

TPD RETARDER (1 To 3 % by weight)

#### **DRYING & CURING:**

Ink TYPE PC dries to the touch within 15 – 30 seconds at room temperature. Drying time may be reduced with forced hot air at 200 – 400 degrees F. Normally, full cure is achieved after five to six days depending on curing temperature time; and humidity. Heat curing is necessary for better adhesion and performance results.

**AVAILABLE COLORS:** (See Color Availability Chart )

**Ink Type PC is available in:**

- 13 Standard Opaque Colors • Process colors • C-Mix 2000 Color Matching System

#### **USE & STORAGE INFORMATION**

(For more detailed information see Material Safety Data Sheet (MSDS) for Type PC Ink.

**Ink Type PC:**

Stir ink thoroughly before removing from container. Reseal lid tightly after using.

Warranty Period: Two years from ship date (in original sealed container)

**HARDENER:** Reseal container immediately after using. Hardener is humidity sensitive. As moisture is absorbed, the viscosity first increases, then starts forming crystals. Do not use when crystals first appear.

Warranty Period: one year from ship date (in original sealed container)

**THINNER:** Reseal lid tightly after using. Warranty Period: two years from ship date (in original sealed container)

**RETARDER:** Reseal lid tightly after using. Warranty Period: two years from ship date (in original sealed container)

**STORAGE OF ALL PRODUCTS:** At room temperature 60 to 80 Degrees F with low humidity.

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#### Recommended Printing Substrates:

# : Indicates substrate may require pretreatment.

#### THERMOPLASTICS

Acrylonitrile-Butadiene-Styrene

Polycarbonate

Polymethyl Methacrylate

Polyethylene #

Polypropylene #

Polyvinyl Chloride Rigid

Styrene-Butadiene

#### COATINGS & PAINTS

PowderCoat

Miscellaneous Coatings & Paints

#### OTHERS

Acrylic Sheets & Molding Powders

Acrylic

**\*\*Since operating conditions and applications are beyond our control, Trans Tech can not guarantee results, nor assume liability for any problem that may arise.**

**The user should test the suitability of the product for its intended application. No warranty for results obtained, expressed or implied, can be assumed by Trans Tech.**



#### Trusted Partner for Your Product Decorating Needs

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