

Pad Printing Ink

Type PV

Ink Data Sheet

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

Ink Type PV 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 additive)

- BH HARDENER (Four parts ink to one part hardener; Ratio by weight) For most applications.
- BH/N HARDENER (4 : 1 Ratio by weight) More ultraviolet light and abrasion resistant but requires additional drying time.

Thinners: (after adding Hardener)

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: (after adding Hardener and Thinner)

TPD RETARDER (1 To 3 % by weight)

DRYING & CURING:

Ink TYPE PV dries to the touch within 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:

Ink Type PV is available in:

- 23 Standard Opaque Colors • Standard Metallic Colors • Process colors • Custom Colors Available Upon Request
- C-Mix 2000 Color Matching System

USE & STORAGE INFORMATION

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

Ink Type PL: 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
Polyphenylene Ether
Polyoxymethylene -1 Ø
Polybutylene Terephthalate
Polymethyl Methacrylate
Cellulose Acetate
Cellulose Acetate Butyrate
Polyphenylene Oxide #
Polyamides
Polycarbonate
Polyester
Polyetherimide
Polyethylene #
Polyethylene Terephthalate
Polyimide
Polyimide Filaments
Polyphenylene Sulfide
Polyphenylsulfone
Polypropylene #
Polysulfone
Polyvinyl Chloride Rigid

FLEXIBLE PLASTICS

Urethane, Flexible #

THERMOSET

Epoxy Resin
Phenol Formaldehyde Resin
Polyester Epoxy Resin
Polyurethane, Rigid #
Urea Formaldehyde Resin

METALS

Aluminum
Anodized Metal
Brass
Chrome Plate
Copper
Bronze
Iron
Steel
Tin
Titanium
Miscellaneous Metals

MISCELLANEOUS SUBSTRATES

Ceramic
Glass
Wood

COATINGS & PAINTS

PowderCoat
Surlyn
Urethane Paint / Coating
Miscellaneous Coatings & Paints

OTHERS

Acrylic Sheets & Molding Powders
C-Resin #
Formica
Hostra
Polycarbonate / ABS
Thermoplastic Polyester Resin
Viton

****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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