

Pad Printing Ink

Type 411

Ink Data Sheet

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

Ink Type 411 is a two-component ink designed for pad printing on silicone rubber parts.

MIXING / POTLIFE

ITW Trans Tech INK-411 is supplied as a kit with a matched quantity of Hardener. The required mix ratio is (10:1) ten parts by weight of ink to one part by weight of Hardener. Because pigments can settle during storage is suggested that the ITW Trans Tech INK-411 be stirred before use. Add the Hardener into each batch of ink to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. Avoid stirring in an excessive amount of air. When machine mixing, avoid prolonged high speeds. After mixing, the ink will remain useful for approximately 24 to 48 hours at room temperature. Placing the material in a closed container in a cool (below 50°F) environment will extend the mixed pot life. The separate components may be stored in closed containers up to one year at room temperature (72°F). INK-411 can be dried at 204°C (400°F) for 2 - 6 minutes to achieve 90--95% cure. Adhesion improves with increased post curing.

DRYING

ITW Trans Tech INK-411 must be dried at 204°C (400°F) for 2 - 6 minutes with standard ink drying oven or similar heat tunnel.

Caution: Contact with some materials will inhibit the drying of the Ink These include: silicone RTV containing organo-tin catalysts, sulfur-containing compounds, amines, some urethanes, and organic acids. A small-scale compatibility test is always recommended.

THINNING

If the mixed viscosity is too thick for a specific application, ITW Trans Tech INK-412 Thinner is available to custom design the viscosity for a specific application. ITW Trans Tech INK-412 Thinner is environmentally friendly. It has zero VOC and will not adversely effect the adhesion of the system.

ITW Trans Tech INK-411 can be removed from surfaces before drying by wiping with high-flash mineral spirits.

USE & STORAGE INFORMATION

(For more detailed information see Material Safety Data Sheet (MSDS) for Type 411 Ink.

Ink Type 411:

After mixing, the ink will remain useful for approximately 24 to 48 hours at room temperature. Placing the material in a closed container in a cool (below 50°F) environment will extend the mixed pot life. The separate components may be stored in closed containers up to one year at room temperature (72°F). INK-411 can be dried at 204°C (400°F) for 2 - 6 minutes to achieve 90-95% cure. Adhesion improves with increased post curing.

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

Pad Printing Ink Type 411

Ink Data Sheet

AVAILABLE COLORS

ITW Trans Tech INK-411 is available in standard colors as shown. Custom colors are not available.

STANDARD COLORS

- # 411BLK
- # 411 BLACK 1KG KIT
- # 411BLU
- # 411 BLUE 1KG KIT
- # 411GRN
- # 411 GREEN 1KG KIT
- # 411RED
- # 411 RED 1KG KIT
- # 411WHT
- # 411 WHITE 1KG KIT
- # 411YEL
- # 411 YELLOW 1KG KIT

ADDITIVES

NOTE Ink-411 is supplied as a two-component kit with a matched quantity of Hardener.

THINNER Part# 412THIN

Description THINNER 412 FOR INK-411 SERIES (QUART)

Recommended Printing Substrates:

- Silicone Rubber

****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

Trans Tech 475 North Gary Avenue, Carol Stream, IL 60188

Tel +1 (630) 752 4000 Fax +1 (630) 752 4467

Email sales@itwtranstech.com

www.itwtranstech.com www.itwids.com

A MEMBER OF

 **IDS** | A Division
of ITW