

# PP Series Puff Plastisol

Outstanding puff plastisol for most textile applications  
Raised print effect achievable under low cure temperature  
Excellent screenability; reliable print durability  
Free of heavy metals, aromaticamines, formaldehyde derivatives

**STOCK, END-USE:** Cotton, 50/50 cotton/polyester blends, and some synthetics.

**DESCRIPTION:** Note: For printing on most textile substrates that require the attractiveness of a three-dimensional (3-D) print effect. Prints puff up at low temperature in shorter than normal cure time. PP Puff plastisol resembles the characteristics of a water-based puff ink with its rapid core rate, creamy consistency for easy screenability, and safe handling.

**Note: Pre-test on actual substrate before any full production run, for dye bleeding, adhesion, wash fastness and other desired effects.**

**FINISH:** Durable, soft-hand finish.

**COLORS:** Available in high-opaque and fluorescents. All colors are formulated using non-leaded pigments.

**SCREEN FABRIC:** Mesh counts up to 110 monofilament polyester (44T European Mesh).

**STENCIL:** Dual-sensitized direct method photo emulsion or SBQ presensitized photo emulsion or equivalent. Also, any solvent-resistant film or photo emulsion.

**CURE/DRYING:** Heat-core at approximately 320°F (160°C) for 1 to 1½ minutes (infrared heat recommended for use). Note: Although puffed-up effect is rapidly achieved, highest level of durability is not obtained until the entire print reaches 320°F throughout. For a thorough core, enough dwell time is needed for prints to reach the required temperature of 320°F (160°C). Excessive heat applied to PP print will result in cracking

of prints or uneven puff.

**Pretest to establish correct cure rate for every print requirement. Note: Pre-test on actual substrate before any full production run, for dye bleeding, adhesion, wash fastness and other desired effects.**

**MODIFICATIONS:** To increase puff or help ease problems in color matching, add PP-845 Extender Base. To reduce ink viscosity with RE701 or RE703 reducer, add 5% or less (by weight of ink). Reducer is to be used very sparingly and only when necessary. Also, RE702 can be used.

**SPECIAL MODIFICATION:** Multipurpose HO colors can be added to PP colors for tinting purposes. However, additions exceeding 20% will decrease the height of the puff.

**SPECIAL INSTRUCTIONS:** When printing textiles, use a medium hard (70-75 durometer) squeegee. Printing slightly off-contact improves ink deposit and print quality. Plastisols respond to heat. Always store at temperatures below 90°F (32°C). Avoid exposing inks to elevated temperatures before printings.

**CLEAN-UP:** Use T-125 or CRS500 Biodegradable Washup.

**PACKAGING:** 1- quart (0.945 Liter), 1-gallon (3.78 Liters), 5-gallon (18.9 Liters) containers. Drums available in 30-gallon (113.4 Liters) and 55-gallon (207.9 Liters).

**SAFETY & HANDLING:** Refer to Material Safety Data Sheet (MSDS) for complete information.

## COLOR RANGE:

All colors are formulated using nonleaded pigments

## High Opaque Colors

PP 018 - Opaque White  
PP 024 - Athletic Gold  
PP 026 - Burnt Orange  
PP 041 - Royal Blue  
PP 044 - Navy Blue  
PP 049 - Purple  
PP 056 - Scarlet Red  
PP 058 - Flag Red  
PP 071 - Opaque Black  
Other colors available upon request.

## Fluorescents

PPTL 022 - Chartreuse  
PPTL 033 - Mint Green  
PPTL 057 - Shocking Pink

## MODIFIERS:

PP845 - Extender Base  
RE 701 - Plastisol Reducer  
RE 702 - Curable Reducer  
RE 703 - Quick Flash Reducer

## SOLVENT:

T-125 Washup  
CRS500 Biodegradable washup



**CRS INTERNATIONAL INC.**

TEL: (718) 937-6400 / FAX: (718) 729-8978

[www.CRSINTERNATIONAL.net](http://www.CRSINTERNATIONAL.net)