



Non-Phthalate Plastisol

## EF Athletic Nylon Gloss (PATE)

Our most durable plastisol for nylon athletic uniforms.

### Applications

- Nylon Athletic uniforms.
- Nylon mesh jerseys.
- Lycra/Spandex and Supplex nylon.

### Features

- Extremely durable ink film.
- High opacity.
- Glossy finish.

**General Information:** Athletic Nylon Gloss plastisol inks provide glossy, opaque prints with outstanding durability. Athletic Nylon Gloss inks are recommended for printing large numbers, letters and designs with thick ink deposits on cotton, as well as, nylon & nylon mesh garments. When printing Lycra/Spandex or knit ribbed materials where great elasticity is required, the addition of Unistretch Additive (UNSE-9160) is recommended. When printing water-resistant materials such as nylon jackets or nylon garment bags adhesion is greatly improved by adding Nylobond Additive (see NYBE-9120 Technical Data Sheet for more information).

**Opacity:** Athletic Nylon Gloss is a high-opacity ink.

**Mesh:** Coarse meshes such as 86 to 110 threads per inch (34 - 43 metric) monofilament polyester are recommended.

**Stencils:** Use any direct emulsion or capillary film compatible with plastisol inks.

**Printing Instructions:** Athletic Nylon Gloss inks should be printed through a coarse mesh screen in order to produce a thick deposit of ink. Placing a soft surface such as a silicone rubber pad on the platen will help print a thicker layer of ink. Two or three strokes may be necessary to drive the ink into the garment and still leave a thick film on top. For maximum deposit use soft or medium durometer squeegees with slightly rounded or beveled edges.

**Additives:** Athletic Gloss plastisol inks are supplied ready to print. If necessary, reduce with (up to 5% by weight) Reducer/Detackifier (PLRE-9000).

**Curing Instructions:** Athletic Gloss inks will cure when the entire ink deposit reaches 300°F (149°C). Because of the thicker layer of ink usually printed on athletic uniforms as well as the thicker fabrics of athletic garments, longer dwell times and higher oven temperatures may be required to ensure that the entire ink film is fully cured.

**Caution:** Always test this product for curing, adhesion, crocking, opacity, washability and other specific requirements before using in production. Athletic Nylon Gloss Metallic inks should be washed in cool water with mild detergent to preserve brilliance of finish. Even after taking these precautions, some detergents and pH factors of the wash water can adversely affect the longevity of the print. Many Athletic Nylon Gloss colors are available in \*non-migrating formulations. This indicates when colors are flashed and over lapped or over printed they will not run into each other unless excessive heat (350°F/177°C and above) is applied during the curing process. This concept should not be confused with bleed resistance.

**Wash-Up:** Clean the screens and squeegees with mineral spirits or any Eco-Friendly screen wash designed for plastisol inks.

**Storage:** Store plastisols at room temperature. Prolonged exposure to high temperature can make the ink start to gel.

**Caution:** Always test this product for curing, adhesion, crocking, opacity, washability and other specific requirements prior to using in production.

#### Standard Colors

PATE-1000 White\*  
PATE-1500 Grey\*  
PATE-1508 Lt. Grey\*  
PATE-1522 Dark Grey\*  
PATE-2010 Lemon Yellow\*  
PATE-2017 Vegas Gold\*  
PATE-2020 Chrome Yellow\*  
PATE-2040 Golden Yellow\*  
PATE-2045 Blazer Gold\*  
PATE-2046 Rebel Gold\*  
PATE-2050 Orange\*  
PATE-2052 S.G. Burnt Orange\*  
PATE-2056 S.G. Texas Orange\*  
PATE-2057 University Orange\*  
PATE-2102 Khaki\*  
PATE-3006 Brite Red\*  
PATE-3010 Scarlet Red\*  
PATE-3015 Cardinal Red\*  
PATE-3021 Lo Crock Flag Red\*

PATE-3030 Maroon\*  
PATE-3113 Cool Pink\*  
PATE-4010 Magenta\*  
PATE-4020 Deep Purple\*  
PATE-4103 Rose Magenta\*  
PATE-4201 Fashion Lilac\*  
PATE-5002 S.G. Aqua\*  
PATE-5008 Brite Blue\*  
PATE-5012 S.G. Columbia Blue\*  
PATE-5015 Columbia Blue\*  
PATE-5017 University Blue\*  
PATE-5020 Mono Blue\*  
PATE-5036 Royal Blue\*  
PATE-5040 Navy Blue\*  
PATE-5048 Light Navy\*  
PATE-5060 Aqua Marine\*  
PATE-5108 Peacock Blue\*  
PATE-6001 Tahiti Green\*  
PATE-Brite Green\*  
PATE-6016 Lime Green\*

PATE-6020 Chrome Green\*  
PATE-6091 Kelly Green\*  
PATE-7000 Dark Brown\*  
PATE-7031 Sienna Brown\*  
PATE-8000 Black\*

#### Fluorescents

PATE-F211 Orbit Yellow  
PATE-F212 Golden Yellow  
PATE-F213 Inferno Orange  
PATE-F214 Flame Orange  
PATE-F311 Missile Red  
PATE-F312 Aurora Pink  
PATE-F511 Solar Blue  
PATE-F611 Traffic Green

#### Metallics

PATE-M120 Silver  
PATE-M128 Washable Silver  
PATE-M220 Pale Gold  
PATE-M222 Rich Gold  
PATE-M224 Mirror Gold

#### Additives

PATE-9030 Clear For Gold & Silver  
PATE-9090 Extender Base  
UNSE-9160 Stretch Additive

S.G. Indicates Sporting Goods Association colors

\* Non-Migrating colors