



Non-Phthalate Plastisol

EF Diamond White (PLHE-1070) EF Premium LB White (PLHE-1075)

High-opacity, low-bleed, white plastisols for cotton / polyester blended fabrics. Excellent for use as an underbase or highlight whites.

Applications

- Direct print low-bleed white for controlling dye migration on cotton / polyester blended garments.
- Bleed-resistant underbase for cotton / polyester blended garments.

Features

- Smooth, bright white appearance.
- Superior bleed resistance.
- High opacity.
- Extremely fast flashing with low tack.
- Improved viscosity stability.

General Information: PLHE-1070 Diamond White plastisol is Union's high-opacity low-bleed white. Diamond White is formulated to be an extremely bright white exhibiting high opacity, easy printability through fine meshes up to 196 (76 metric) and excellent bleed resistance on cotton / polyester blended fabrics. Diamond White retains a creamy viscosity during storage, is ready to use straight from the container and is designed for both manual and automatic printing. Our PLHE-1075 Premium LB White exhibits all the qualities mentioned above however, this Premium product also maintains and provides a smoother finish and a tolerance for higher temperatures which make it an excellent choice for underbasing or when a smoother finish is required.

Opacity: Diamond White is a high-opacity, low-bleed ink.

Mesh: Print through 125-230 (48-92 metric) monofilament polyester. Because of the excellent printing characteristics of Diamond White it may be printed as an underbase through a mesh count of 230 (92 metric) leaving an ultra smooth, opaque printing surface for the overprint colors. Caution: Thinner deposits of ink will reduce the effectiveness of the bleed resistance properties. On some cotton / polyester blends thinner deposits may not be possible.

Stencils: Any direct emulsion or capillary film compatible with plastisol inks.

Additives: PLHE-1070 / 1075 are supplied ready to print. Their viscosity has been carefully formulated to sit on top of the fabric when printed.

Additives Cont.: Reducing the ink is not recommended unless absolutely necessary as over-reduction could cause a loss of bleed resistance and opacity. Measure carefully by weight and add no more than 5% PLRE-9000 Viscosity Reducer or 2% of the PLRE-9100 Concentrated Viscosity reducer. When printing through finer meshes (180-230T/72-92T metric) and/or at higher screen tensions (40 N/cm and above), the ink's ability to flow through the screen can be enhanced with very small amounts (less than 2%) of Union Ink's Flow Additive (MIXE-9020). Additions above the recommended level will reduce the ink's viscosity dramatically and will have a negative effect on opacity and bleed resistance.

Printing Instructions: For the best coverage, bleed resistance and brightest print, adjust the off-contact distance and squeegee pressure to print the ink layer on top of the fabric rather than penetrating through it.

Curing Instructions: PLHE-1070 / 1075 will fully cure and withstand repeated washings when the entire thickness of the ink deposit reaches 300°F (149°C). PLHE-1070 / 1075 are superior quality low-bleed inks. To enhance their ability to prevent dye migration, flashing should be the minimum time and temperature necessary to surface cure the ink.

Caution: Always test this product for curing, adhesion, bleed-resistance, crocking, opacity, washability and other specific requirements before using in production.

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Available:

PLHE-1070 Diamond White
PLHE-1075 Premium Low Bleed White

Additives:

PLRE-9000 Viscosity Reducer Detackifier
PLRE-9100 Concentrated Viscosity Reducer
MIXE-9020 Flow Additive