

| Recommendations | |
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| Product Overview | |
| Product Code | ES0138 |
| Industry | Inks |
| Application | Screen Printing |
| Category | Specialty Inks |
| Chemistry | Plastisol |
| Substrate(s) | Cotton |
| Best Used By | 12 months |
| Certification(s) | ISO9001 |
| Curing: | |
| Fusion Temperature | 320 °F |
| Gel Point | 160 °F |
| Performance: | |
| Viscosity | High |
| Coverage | Low Opacity |
| After Flash Tack | Medium |
| Squeegee: | |
| Squeegee Profile | Square |
| Squeegee Type | Polyurethane |
| Squeegee Speed | Medium |
| Screen: | |
| Mesh | 86 to 110 |
| Underlay | Depending on the fabric |
| Cleanup | Bio-degradable screen wash |
| Storage: | |
| Storage Temperature | 65°F - 95°F (18°C - 35°C) |
| Storage Notes | Avoid direct sun. |

Last Change: Nov 2016

NPT HIGH DENSITY CLEAR

ES0138 NPT HD CLEAR is formulated as a press-ready plastisol for printing on 100% Cotton fabrics or over a low bleed underlay on poly/cotton. This product has excellent edge definition when stacked for that 3D look and provides maximum gloss when fully cured. Fast shearing action means higher press speeds. Can be tinted with up to 30% C3 NPT Color Boosters to make Gel Colors. High gloss and clarity when printed in thick film and cured properly.

Features

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Instructions

ES0138 requires stirring before printing. The thick body gel mixes down easy to a smooth printing ink. Print directly onto substrates or over an underlay. ES0138 is normally printed through mesh ranges from 86-110 mc in (34-43 mc cm) You may print through finer mesh to achieve fine details with less height. Recommend 60 Durometer squeegee and thick film emulsion for superior edge definition when stacking. For higher gloss, cure at slightly higher temperature for longer times. This high density gel can be printed through thick stencil film to achieve a 3D Clear or Color.

Recommendation

* Do not dry clean, bleach, or iron the printed image. * Note: This is not a low bleed ink. Do not print on polyester fabrics. Clairra Colors™, bases, modifiers and additives should be mixed in clean vessels using clean mixer blades and utensils. Any contamination from other ink sources or non approved additives could make Clairra Colors™ test positive for the restricted phthalates.

Statement

Rutland Plastic Technologies does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSIA HR-4040 and Oeko-tex Standard 100. The plasticizers identified may include di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), (DIBP) Di-isobutyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of Clairra High Opacity Non-Phthalate Inks. Rutland Plastic Technologies does not test the final product for amounts of the aforementioned phthalate plasticizers and esters and encourages all users to conduct testing for their intended use.

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