PRODUCT INFORMATION BULLETIN

ER0301 NPT REFLECTIVE GREY MAX

Rutland™

ER NPT Reflective series has the highest reflectivity among all Rutland reflective plastisols and is designed for printing through 86-110 mc in (34-43 mc cm) mesh count onto white, light and dark 100% cotton fabrics.

Highlights

- Excellent reflectivity for safety applications.
- Reflective properties are comparable to currently marketed direct print products.
- Press ready reflective plastisol for printing on white and dark fabrics.
- User friendly, single component plastisol.
- Excellent adhesion characteristics and wash fastness.
- Unwashed candle power is approximately 11 Candelas/Lux/ square meter. Washed candle power is approximately 23 Candelas/Lux/ Square meter.

Compliance

- Internationally compliant
- Non-phthalate
- https://www.avientspecialtyinks.com/services/compliance-support

Precautions

- The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications.

Printing Tips

- Direct Print ER NPT Reflective Ink onto light or dark substrates through 86--110 mc in (34-43 mc cm) mesh using medium to hard squeegee, and HARD PRINT PRESSURE.
- This will insure maximum base penetration into garment fiber, leaving the reflective media on the surface giving maximum candelas/ Lux / Square meter.
- Do not print over an underlay nor print flash print this product.
- Note: the candle power may vary dependent upon the amount of pressure applied when printing.
- Print technique:
  - Load ink into mesh opening with hard, sharp squeegee.
  - Only the image area should be filled with ink.
  - Transfer ink to the fabric surface with a heavy squeegee pass.
- If you are unsure of best practices when using this product, do not hesitate to call out tech services line at 866-737-2066

Recommended Parameters

Fabric Types
Cotton, Blends

Flash & Cure
Flash: 140-150F on pre-heated pallets
Cure: 320F

Clean Up
Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant

Mesh
Counts: 86-110
Tension: 18n-25n/cm3

Pigment Loading
N/A

Health & Safety
Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR

Squeegee
70, 60/90/60, 65/95/65
Profile: Square
Stroke: 2+
Angle: 10-20%

Additives
Extender: M00001 Viscosity Reducer

Stencil
Standard Emulsion
Off Contact: 1/16" (2mm) or greater
Emulsion Over Mesh: 15-20%

Storage
65 -95 F (18 -35 C) Avoid direct sunlight

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AVIENT SPECIALTY INKS

V3.00 (Modified: 02/17/2021)