

Technical Data Sheet #366

September 29, 2011

Wet Ink Tack	Low
After Flash Tack	Medium
Printability	Great
Surface Appearance	High Gloss
Opacity/Viscosity	Low/Medium
Bleed Resistance	N/A
Gel Point/Flash Time	155°F / decreases with deposit thickness
Cure Temperature	320°F (160°C)
Squeegee Hardness	Soft
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	Medium to High
Underlay	Depending on the fabric
Emulsion	Capillary Thick Film
Mesh Count	86–110 mc. in. (34–43 mc. cm.)
Extender	N/A
Thickener	M00004 Liquid Thickener
Storage	65°F to 95°F. Avoid direct sun.
Cleanup	Non-hazardous screen washes
MSDS	#38
Color Range	EG0290 NPT Gel Clear
Substrate Type	Cotton or underlay
Substrate Color(s)	Light, Medium, & Dark fabrics

Gel Clear Ink

EG0290 NPT Gel Clear

Description

EG0290 is formulated as a plastisol for printing on 100% Cotton fabrics. This product has excellent clarity and gloss when printing as a 3D type gel. It gives flowing rounded edges with no appearance of screen marks. It can be thickened with M00004 Liquid Thickener to produce the more traditional Gel with sharper edges.

Features

- Short body and very low wet tack for easy printing.
- Fast shearing action means higher press speeds.
- Can be tinted with up to 30% Color Boosters to make Gel Colors.
- High gloss when cured under standard conditions.

Application

Print EG0290 directly onto substrates or over an underlay. EG0290 is normally printed through mesh ranges from 86–110 mc. in. (34–43 mc. cm.) Recommend 60 Durometer squeegee and thick film emulsion for printing a 3D image.

Special Recommendations

- **Do not dry clean, bleach, or iron the printed image.**

Rutland Plastic Technologies does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSC 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-iso-butyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of Non-Phthalate Gel Clear nor any of the Claira 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.