



Technical Data Sheet

Apocalypse Poly/Poly Blend LB Colors Non-Phthalate

Description: Monarch Apocalypse Poly/Poly Blend LB colors are a non-phthalate, lead free, High Opacity, bright, high performance colors that have excellent coverage on dark garments. No need for viscosity modifiers. The low tack formula allows printing through finer mesh counts without the use of viscosity modifier. Apocalypse Poly/Poly Blend LB Colors perform well on both automatic and manual presses. Has good low bleed for printing on polyester and polyester blends.

Substrate: Polyester and Poly Blend garments light, medium and dark.

- Features:**
- Creamy, short body plastisol.
 - User Friendly, no viscosity modifiers necessary.
 - Formulated to be non-phthalate.
 - Faster shear action
 - High Opacity and great coverage
 - Good Bleed resistance at a wide temperature range
 - Low cure, save energy, reduce bleed defects
 - No under base needed on most colors.

Physical Properties:	Wet Ink Tack	Low
	Surface Appearance	Satin Finish
	Bleed Resistance	Good
	Opacity	High
	Gel point	160 °F Decreases with deposit thickness
	Flash Temp & Time	220°F for 4 sec.
	Fusion Temp	280° - 320° F
		At 280°F minimum dwell time should be 1min. 30 sec.
	Squeegee Blade	70° - 80° durometer
	Squeegee Angle	45°
	Mesh Count	86 – 230 mc in

Performance: Print Apocalypse Poly/Poly Blend LB Colors straight from the container through mesh ranging from 86 to 300 mc without modifications of the viscosity. Use finer mesh counts for softest hand and good opacity.



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Storage and Handling: 65°F to 95°F avoid direct sunlight. **Never exceed temperatures above 95°F during storage.**

Special Recommendations: Any modifiers and additives should be mixed in clean containers using clean mixer blades and ink knives. Any contamination from other ink sources could make the ink test positive for restricted phthalates. Do not dry clean, iron or bleach the printed image.

***Note:** Poorly dyed polyester or too much heat in the curing process can overcome any low bleed inks ability to block the migration. For sever migration use a barrier base underlay.

Monarch Color 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 Monarch plastisol direct to fabric screen printing inks. Monarch does not test the final product for amounts of the above mentioned phthalate plasticizers and esters and advises users to conduct testing for their intended use.