

TRIONOL™ 1739 A

TRIONOL™ 1739 A is a Lawter™ specialty alkyd. TRIONOL™ 1739 A is a medium oil-length soya oil alkyd that forms hard, tough ink films with low odor. It has better compatibility with hard resins than TERLON™ 7 A and is recommended for low odor inks used on napkins, food cartons, etc. TRIONOL™ 1739 A is an excellent replacement for linseed alkyds in heatset inks whenever it is cost effective to do so. TRIONOL™ 1739 A is recommended for three-piece flat metal decorating lithography. It has good baking properties on metal with good color retention at oven temperatures up to 370°F. Faster baking can be achieved by adding up to 10% melamine to finished inks based in TRIONOL™ 1739 A. TRIONOL™ 1739 A avoids the gloss ghosting or yellow ghosting that sometimes occurs in sheetfed inks.

Applications

Sheetfed offset, coldset offset, heatset offset, letterpress, metal deco, and silkscreen.

- ▲ Improved film hardness
- ▲ Improved ink transfer
- ▲ Reduced drier content needed
- ▲ Skin-oil resistance
- ▲ Improved gloss
- ▲ High pigment dispersion

Typical properties

Property	Value	Unit	Test Method
Acid Value	10	mg KOH/g	BAX-QC-102
Viscosity	320	seconds	E:E, 100°F, BAX-QC-106
Color	3	-	Gardner Color, BAX-QC-103
Percent Non-Volatile	100	%	BAX-QC-195
Bio-Renewable Content, (+/-2%)	60	wt%	Theoretical value based on formulation

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Packaging

TRIONOL™ 1739 A is shipped in 400 lb drums.

Shelf life and storage conditions

When stored properly, shelf life from date of production is approximately 12 months. The product should be stored at temperatures between 10 and 30°C (50-86°F). The packaging should be kept tightly closed and stored in dry conditions.

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