



Technical Bulletin

UltraBond Flame Retardant

UV Curable Screenprinting Inks

Polymeric Imaging has developed a flame retardant ink for polyethylene and vinyl banners. These inks have passed the rigorous testing requirements of the 701 Fire Test and the California Code Title 19, when printed on flame retardant materials. They cure extremely fast for in-line, high speed printing without blocking. The ink has passed a 24 hour water immersion test on both poly and vinyl. It is flexible and lightfast for up to 6 months outdoor exposure.

APPLICATION:

Mesh:	355 - 380 plain weave mesh is recommended for both halftones and line colors.
Curing:	1 – 200 watt per inch medium pressure mercury vapor lamp with an Mj output of at least 130 Mj (minimum 400 mW)
Belt Speed:	65 - 70 feet per minute, depending on lamp efficiency and heat emission
Squeegee:	Sharp 80 durometer polyurethane blade
Coverage:	3200 - 3600 square feet per gallon

*Polymeric recommends checking with substrate manufacturer for further recommendations and verification that material lot is flame retardant.

Please pretest this product to insure its suitability for the intended application. Polymeric does not offer a warranty with this specialty product.

Effective 07.06.04

More than a shade superior

117 East 14th Avenue • N. Kansas City, MO 64116 • 800 746 5567 • fax: 816 221 4820