



Ultima HN/LD Imagesetting Film Spec Sheet

Description: Ultima is a high contrast, high resolution imagesetting film with excellent exposure latitude designed to work with helium neon and red visible laser diode imagesetters. For trouble free transportation, this film has antistatic protection and high surface resistance properties. Ultima is available with a matte emulsion for flexo use.

Sensitivity: 633nm to 670nm – HN/Red Laser Diode

Processing:

Developer: All rapid access developers are recommended for best results.
(May be diluted 1 part to 2, 3 or 4 parts water.)

Temperature: 95°F/35°C

Development Time: 25 – 35 seconds

Replenishment Rates:

Developer: 25ml per square foot (0.85oz.)

Fixer: 35ml per square foot (1.20oz.)

Recommended Procedure for Processing: This procedure is suggested, to avoid an overexposed/underdeveloped situation at the imagesetter.

- 1) Cut a 3 to 4 inch strip from film protruding from take-up or feed cassette.
- 2) Develop the excessively exposed strip.
- 3) When properly developed, the strip D/Max should be 5.00 plus. With full development, the emulsion sensitivity is maximized.
- 4) With a 5.00 plus D/Max, the product is ready for exposure calibration in the imagesetter. (See below)

Exposure Calibration: Ultima film should be exposed to produce a D/Max of 4.40 to 4.60. In hard dot developers at low dilution rates the D/Max should be 4.60 to 4.80. After correct exposure is obtained, the imagesetter should then be calibrated to proper dot percentages.