



Titan HN/LD Imagesetting Film Spec Sheets

Description: Titan is a special purpose Imagesetting Film specifically designed for the ultimate quality in high production newspaper and book printing applications. Designed to work in Helium Neon and Red Visible Laser Diode Imagesetters.

Benefits Include:

- Surface for superior protection against scratching and abrasion.
- HST surface coatings for trouble free High Speed Transport.
- Special Antistatic coatings significantly minimize pinholes and dust.
- New and Advanced Synthetic Gelatin coatings, manufactured without animal gelatins set new standards in extremely tight film registration.
- These gelatins tolerate expansive changes in environmental conditions with minimum dimensional change.
- Outstanding contrast, image and character resolution in a wide range of developers and processing conditions.

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

Safelight: Encapsulite T20/ND 1.05

Processing:

Developer: Mixed 1 part concentrate with either 2 or 3 parts water.

Note: 1:2 provides slightly higher contrast and latitude and better linearity.

Temperature: 95°F/35°C

Development Time: 30 to 35 seconds.

Fixer: 80°F/90°F

Replenishment Rates:

Developer: 25ml per square foot (.85oz.)

Fixer: 35ml per square foot (1.2oz.)

Recommended Fixers: Universal Fixer Concentrate.

Recommended Procedure for Processing: This procedure is suggested, to avoid an underdeveloped/overexposed 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 4.60 plus. With full development, the emulsion sensitivity is maximized.
- 4) With a 4.20 to 4.40 plus D/Max, the product is ready for exposure calibration in the imagesetter. (see below)

Exposure Calibration: Titan film should be exposed to produce a practical D/Max of 4.20 to 4.40 in hard dot developers at low dilution rates, performance is maximized. After correct exposure is obtained, the imagesetter should then be calibrated to proper dot percentages.

