TI1578 Revised 7-01

KODAK VERSALITE TDF Film

Features / Customer Product Specifications

- A moderately high-contrast, contact-speed film that can be handled under dark amber or red safelight illumination.
- Emulsion and base sides are sufficiently matte to minimize Newton's rings and to provide rapid vacuum drawdown.
- Special antihalation backing permits practical exposure times when the film is exposed through the base.
- Can be processed in a variety of rapid-access developers either in mechanized processors or in a tray.
- Designed for making duplicates having high maximum density from line or halftone negatives, or positive originals on transparent or translucent materials.
- Can be used to duplicate scribed images and ink, pencil, or crayon lines.
- An extremely high contrast, orthochromatic film.
- For graphic arts line, halftone, and contact applications.
- Can be processed in most rapid-access developers. KODAK RA 2000 Developer and Replenisher is recommended.
- Dimensionally stable ESTAR Base.

Safelight Recommendations

This film can be handled under most dark amber or red safelight illumination sources. Actual safelight tolerance will vary, depending on safelight color and intensity. The following types of illuminants can be used:

- A safelight lamp equipped with a 15-watt bulb 4 feet from the film, and a KODAK Safelight Filter; 1A / light red.
- A sodium-vapor safelight, such as the Thomas Instrument Company Model DUG safelight, using either yellow or red filters.
- Fluorescent tube 40-watt, 48-inch gold covered with amber (or red) polycarbonate sleeves.

Safe handling times can easily be determined by exposing the film to a screen tint and using a card to step off various amounts of safelight exposure following the image exposure. A density change will indicate excessive safelight exposure.

Storage

Keep unexposed film and processed film in a cool, dry place. Process film as soon as possible after exposure.

Exposure

Contact: Expose with a variable voltage point-source lamp operated at 16 volts at a distance of 5 feet (1.5 metres) from the exposure plane. Use the following times for trial exposures:

Exposure to the emulsion:	8 to 16 seconds
Exposure through the base:	12 to 24 seconds

Processing

NOTICE! Observe precautionary information on product labels and on Material Safety Data Sheets.

MECHANIZED PROCESSING:
The recommended starting point for optimum results using KODAK RA 2000 Developer and Replenisher is:

Rapid Access Processors	22 seconds at 95 °F (35 °C)

Dot Etching

KODAK Dot Etch can be used for clearing line negatives and for dot etching halftone positives or negatives of contact origin.

Kodak Polychrome Graphics LLC
Norwalk, CT 06850
USA

End of Instruction Sheet

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1) Support

Dimensionally stable support:

4-mil (0.004-in., 0.10 mm)	ESTAR Base

2) Dimensional Stability

Dimensional stability is an all-inclusive term. In photography, it applies to size changes caused by changes in humidity and in temperature, and by processing and aging. The absence of solvent in ESTAR Base is one of the reasons why ESTAR Base films show excellent dimensional stability. The dimensional properties of ESTAR Base may vary slightly in different directions within a sheet; the differences that may exist, however, are not always between the length and width directions.

3) Reciprocity

With recommended processing, the reciprocity speed change is negligible (1/3 photographic stop or less) within exposure range of 1/1000 second to 100 seconds; there is no change in contrast.

4) Graphs[1]

Characteristic

C) KODAK ULTRATEC Developer and Replenisher (6-96)

Spectral Sensitivity

D) Recommended Developers (6-96)

The products mentioned in this document may not be available in all regions or countries. If you have questions or need assistance, contact your local Kodak Polychrome Graphics representative or visit our website: www.kpgraphics.com.

The contents of this publication are subject to change without notice.

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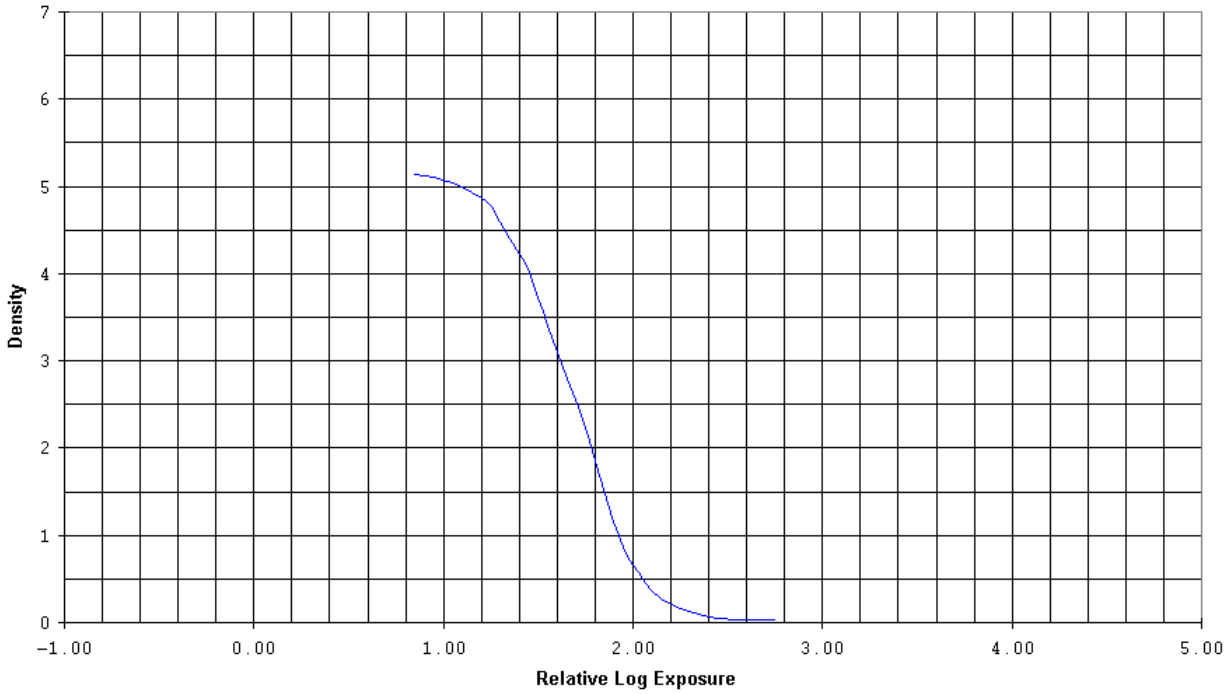
Norwalk, CT 06850
USA

End of Data Sheet

[1]NOTICE: While the data presented are typical of production coatings, they do not represent standards that must be met by Kodak Polychrome Graphics. Varying storage, exposure, and processing conditions will affect results. The company reserves the right to change and improve product characteristics at any time.

TI1578C 11-95
CHARACTERISTIC, For Publication

KODAK VERSALITE TDF Film
Tungsten 10 sec; KODAK ULTRATEC Developer and Replenisher,
80 sec, 85F (29C); Diffuse visual



TI1578D 11-95
SPECTRAL SENSITIVITY, For Publication

KODAK VERSALITE TDF Film
Effective Exp 1.4 sec; KODALITH Blender Concentrates,1 3/4 min at 80F (27C);
Diffuse visual; D=0.1>D-min