

KODAK EKTASCAN IR Laser Imaging Film / 1356 / EIR

1) Description

KODAK EKTASCAN IR Laser Imaging Film / 1356 is a very fine grain, high resolution, black-and-white film suitable for continuous-tone medical imaging, spectrally sensitized in the IR region. This film provides excellent diagnostic visualization of fine detail, sharp image rendition, and a cool image tone.

This high contrast film is designed to record superb medical images using laser printers with infrared laser diodes. It is designed to record a full range of images from computed tomography, digital subtraction angiography, magnetic resonance imaging, nuclear medicine, ultrasound, computed radiography, and digitized film images.

KODAK EKTASCAN IR Laser Imaging Film / 1356 is coated on blue, approximately 0.2 mm (7-mil) polyester support.

It is designed to be processed with standard or rapid processing cycles using KODAK RP X-OMAT Chemicals.

It is also designed to be processed in the rapid processing cycle with KODAK RP X-OMAT Chemicals when the KODAK X-OMAT 2000 Processor is docked to the KODAK EKTASCAN 160 Laser Imager (KELI).

This film is available in the following packaging formats:

-1 darkroom load for 3M printers

-7 roomlight load for the KODAK EKTASCAN 1120 Laser Printer

-23 roomlight cartridge for the KODAK EKTASCAN 160 Laser Imager.

2) Safelight

Use a KODAK 7B Safelight Filter / green with a frosted 7 1/2 watt bulb, located at least 1.2m (4 feet) from the film.

3) Storage and Handling

Handling -

Hands must be clean, dry, and free of lotions, etc. Film should be handled carefully by the edges to avoid physical strains such as pressure, creasing, or buckling.

Storage -

Store unexposed film at 50 to 75°F (10 to 24°C), at 30 to 50 percent RH, and properly shielded from x-rays, gamma rays, or other penetrating radiation. Keep exposed film in a cool, dry place that is properly shielded from penetrating radiation. Process as soon as possible after exposure. Processed film should be stored at 60 to 80°F (16 to 27°C), at 30 to 50 percent RH.

4) Sensitometric Parameters

Relative Speed:	Measured at a density of 1.00 above gross fog.
Contrast:	Measured as slope of the line between densities of 0.25 and 2.00 above gross fog.
Gross Fog:	Density of film base plus chemical fog.

5) Process Variations

Changes to speed, contrast, and fog as a result of temperature variations from normal are included in GRAPHIS Section.

6) Automated Processing

This film is designed to be processed with standard and rapid processing cycles using KODAK RP X-OMAT Chemicals. Optimum results will be obtained when using Kodak processors with Kodak chemistry.

The following processors are recommended with KODAK RP X-OMAT Chemicals using the standard or rapid cycles:

KODAK X-OMAT 2000 Processor

KODAK RP X-OMAT Processor, Models M7 and M7B

KODAK M35 X-OMAT Processor

KODAK RP X-OMAT Processors, Model 270RA, 460RA, and M6RA (Japan only)

KODAK X-OMAT 3000 RA Processor

KODAK X-OMAT 5000 RA Processor

Notice: Observe precautionary information on product labels and on the Material Safety Data Sheets.

7) Graphs¹

Characteristic:

A) For KODAK EKTASCAN 160 Laser Imager (5-00)

Process Temperature Variation:

C) Gross Fog (5-00)

D) Speed (5-00)

E) Contrast (5-00)

rms Granularity:

F) (5-00)

Spectral Sensitivity:

G) (5-00)

¹NOTICE: The sensitometric curves and data in this publication represent product tested under the conditions of exposure and processing specified. They are representative of production coatings, and therefore do not apply to a particular box or roll of photographic material. They do not represent standards or specifications that must be met by Carestream Health, Inc. The company reserves the right to change and improve product characteristics at any time.

Note: The Carestream Health materials described in this publication for use with KODAK EKTASCAN IR Laser Imaging Film / 1356 are available from dealers who supply Carestream Health products. You can use other materials, but you may not obtain similar results.

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

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EKTASCAN and X-OMAT are trademarks of Carestream Health, Inc.**

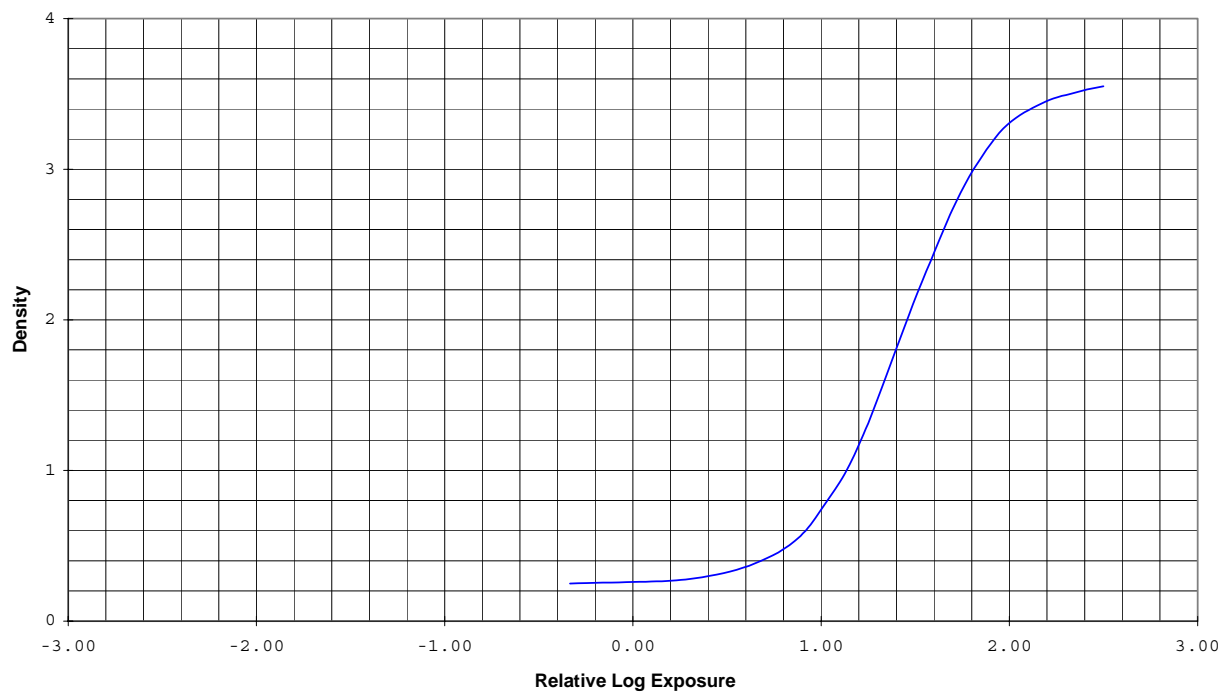
Carestream Health, Inc. - Rochester, NY 14608

End of

End of Data Sheet

TI5000A 5-00
CHARACTERISTIC, For Publication

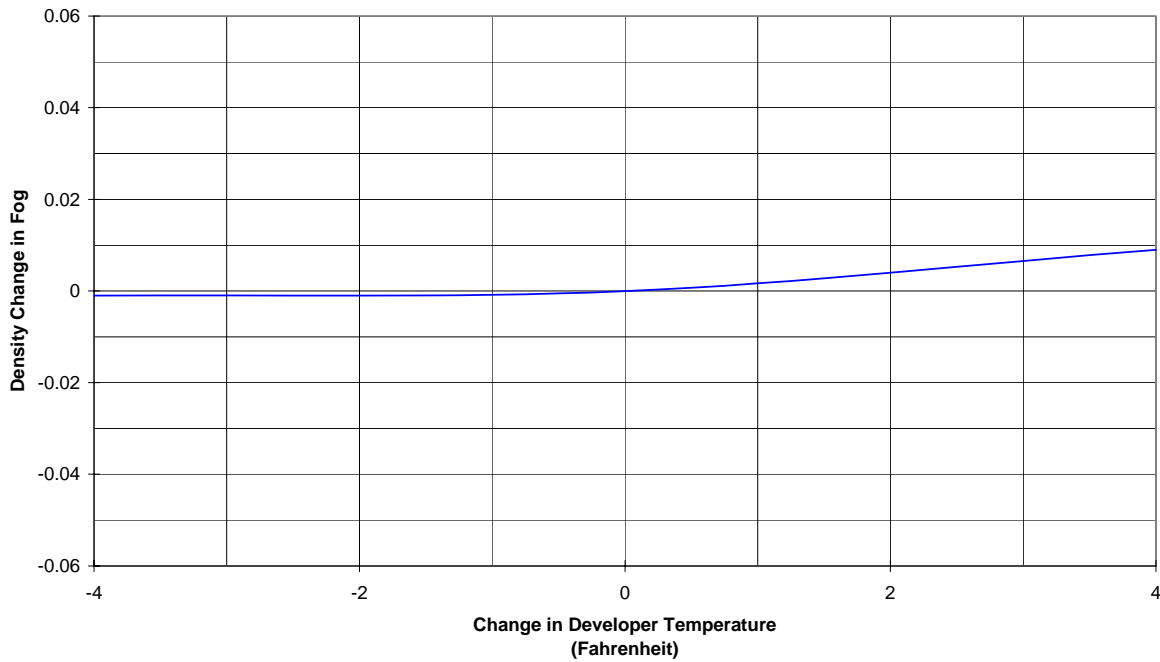
KODAK EKTASCAN IR Laser Imaging Film / 1356 / EIR
KELI 160 Laser Imager; Fresh KODAK RP X-OMAT Chemicals, 35C (95F);
Rapid Cycle; KODAK X-OMAT 2000 Processor; Diffuse Visual



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TI5000C 5-00
TEMPERATURE VARIATION, For Publication

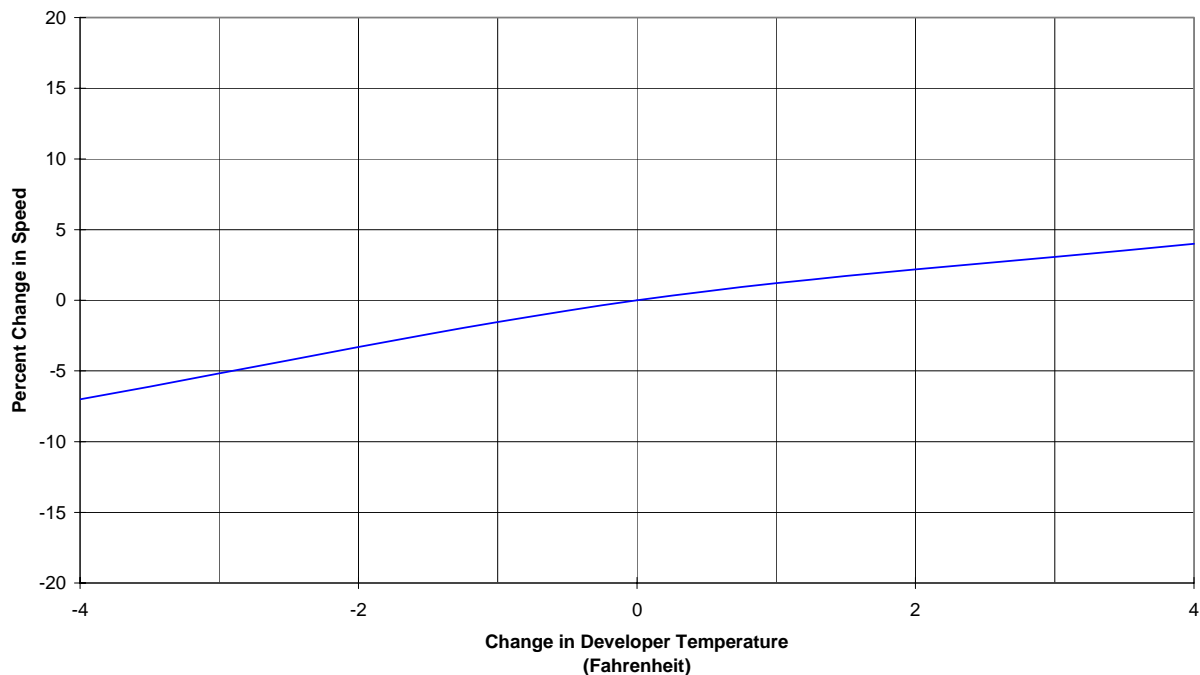
KODAK EKTASCAN IR Laser Imaging Film / 1356 / EIR
Density Change in Fog
Seasoned KODAK RP X-OMAT Chemicals,35C(95F);KODAK RP X-OMAT Processor M6
Diffuse Visual;(Ref: Normal Temp. = 0% Change)
(4 F = 2.2 C)



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TI5000D 5-00
TEMPERATURE VARIATION, For Publication

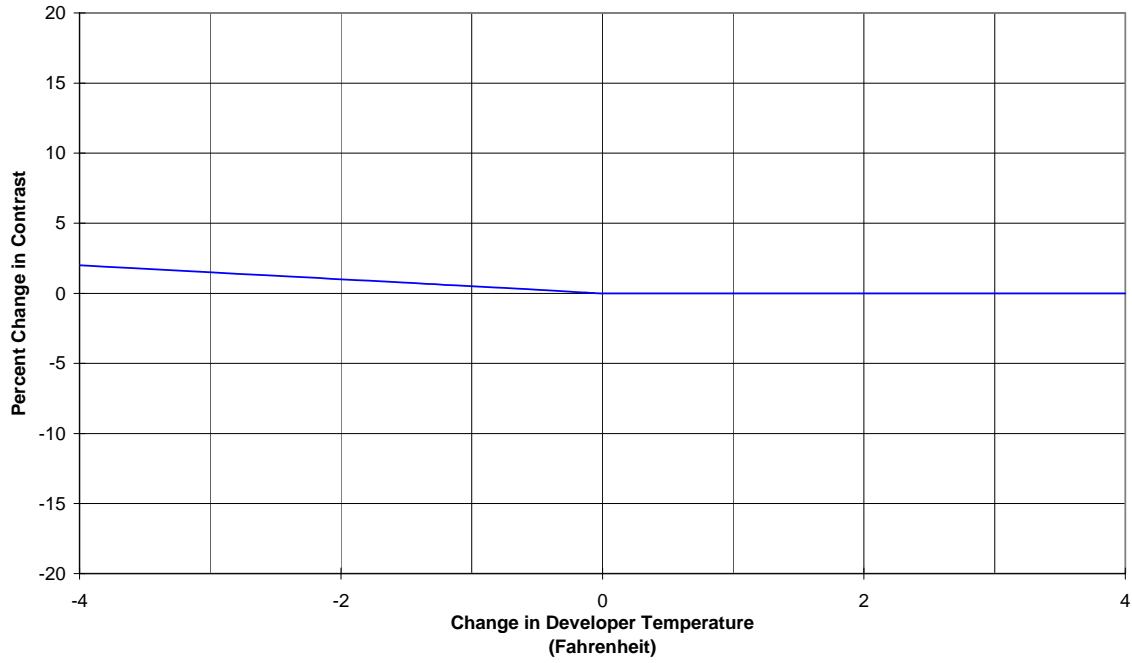
KODAK EKTASCAN IR Laser Imaging Film / 1356 / EIR
Percent Change in Relative Speed (Reference: Normal Temp. = 0% Change)
Seasoned KODAK RP X-OMAT Chemicals, 35C (95F)
KODAK RP X-OMAT Processor M6; Diffuse Visual
(4 F = 2.2 C)



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TI5000E 5-00
TEMPERATURE VARIATION, For Publication

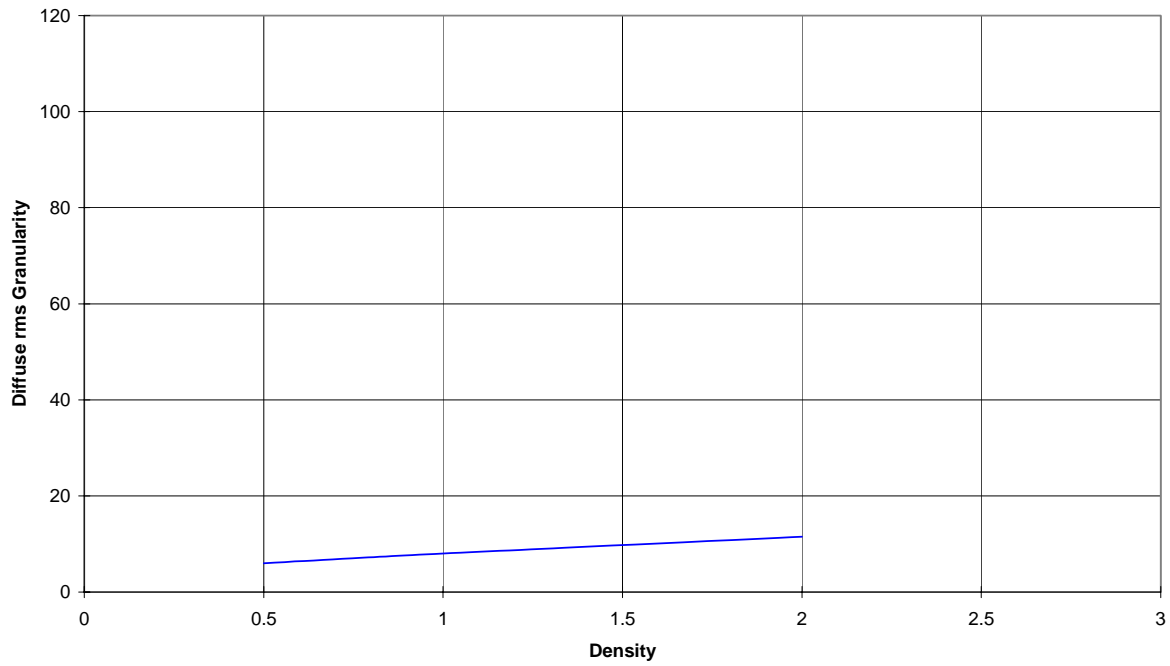
KODAK EKTASCAN IR Laser Imaging Film / 1356 / EIR
Percent Change in Contrast (Reference: Normal Temp. = 0% Change)
Seasoned KODAK RP X-OMAT Chemicals, 35C (95F)
KODAK RP X-OMAT Processor M6; Diffuse Visual
(4 F= 2.2C)



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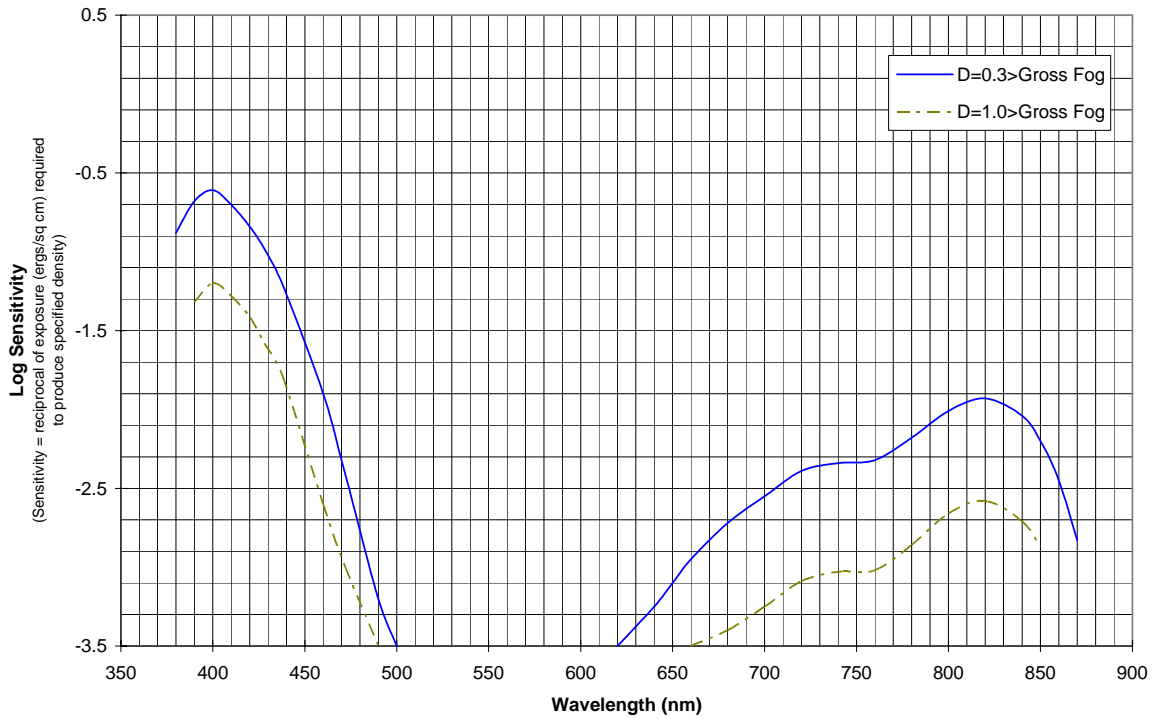
TI5000F 5-00
GRANULARITY, For Publication

KODAK EKTASCAN IR Laser Imaging Film / 1356 / EIR
Seasoned KODAK RP X-OMAT Chemicals, 35C (95F)
KODAK RP X-OMAT Processor M6



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TI5000G 5-00
SPECTRAL SENSITIVITY, For Publication
KODAK EKTASCAN IR Laser Imaging Film / 1356 / EIR
KODAK RP X-OMAT Processor and seasoned chemistry,
Rapid cycle, 38.5 C (101F)



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