



Kodak Gen 5 GRD, GRD7, GRDM & GR7M Film

Technical Information Instruction Sheet - TI2375
August 2006

Features / Customer Product Specifications

Kodak Gen 5 films are fast, high contrast, broad band red-sensitive film. Their sharp dots are capable of high resolution at fine screen rulings. These films are optimized for exposure on film recorders that use a helium-neon laser (633 nm) or a red laser diode (630 to 670 nm) as the exposing source.

These films feature high processing speeds (development in as little as 20 seconds) and low replenishment rates in rapid-access developer and fixer, which contribute to improved productivity and reduced operating costs.

Gen 5 films are coated on a dimensionally stable **Estar** base with antistatic and surface properties to ensure dependable transport and handling behavior.

Safelight Recommendations

Use an **EncapSulite** T20/ND.75 safelight or equivalent. Keep the film at least 1.2 metres (4 feet) from the safelight. Do not expose the film to safelight illumination for longer than two minutes.

European office:

EncapSulite International Ltd.
Auf dem Loor 14a
51143 Köln Germany
Phone: 49 (0)2203-8 37 37

US office:

EncapSulite International Inc.
1220 Bamore Road
Rosenberg, TX 77471
Phone: 1-281-239-0225

Storage

Keep unexposed film and processed film in a cool, dry place, preferable at a temperature of 70° F (21° C) or lower and 50% RH. Process film as soon as possible after exposure.

Exposure

These films are intended for use on film recorders that use a 633 nm helium-neon (HN) laser or a 630 to 670 nm red laser diode (RLd) as the exposing source. Follow the exposure procedures recommended by the equipment manufacturer.



Kodak



Mechanized Processing

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

Gen 5 films can be processed in **Kodak** RA 2000 developer and replenisher, diluted either 1:2 or 1:4. To achieve the highest productivity (20-second development time) and the best image quality and linearity, use a 1:2 dilution. To achieve the maximum savings in chemical usage, use a 1:4 dilution and a 30-second development time.

The recommended starting points for development and replenishment, using **Kodak** RA 2000 developer and replenisher (1:2) are:

Rapid Access Processors, 20 seconds at 95° F (35° C)		
Tank Turnovers per Week	Percent Exposed Area	Basic Replenishment Rates
Minimum of 0.5	50%	0.23 mL/sq in (350 mL/ sq m)

The recommended starting points for development and replenishment, using **Kodak** RA 2000 developer and replenisher (1:4) are:

Rapid Access Processors, 30 seconds at 95° F (35° C)		
Tank Turnovers per Week	Percent Exposed Area	Basic Replenishment Rates
Minimum of 0.5	50%	0.30 mL/sq in (465 mL/ sq m)



Kodak Gen 5 GRD, GRD7, GRDM & GR7M Film

Technical Information Data Sheet - TI2375
August 2006

1. Support

Dimensionally Stable Support

GRD, GRDM	4 mil (0.004 in., 0.10mm)	Estar base
GRD7, GR7M	7 mil (0.007 in., 0.18mm)	Estar thick 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 dimensional properties of The **Estar** base may vary slightly in different directions within a sheet; the differences that may exist, however, are not always aligned with the length and width directions:

Data for the 4-mil products (GRD, GRDM):

Thermal Coefficient of Linear Expansion

Unprocessed or Processed	0.001% per ° F (0.0018% per ° C)
--------------------------	----------------------------------

Humidity Coefficient of Linear Expansion

Unprocessed	0.0017% per % RH
Processed	0.0016% per % RH

Processing Dimensional Change

Dependent on drying conditions



Kodak



2. Reciprocity

With recommended processing, the reciprocity speed change is negligible within exposure range of 1/1000 second to 1 billionth second; there is no change in contrast.

4. Graphs¹

Using **Kodak** RA 2000 developer and replenisher (1:2)

Characteristic

A. (10-98)

B. (12-98)

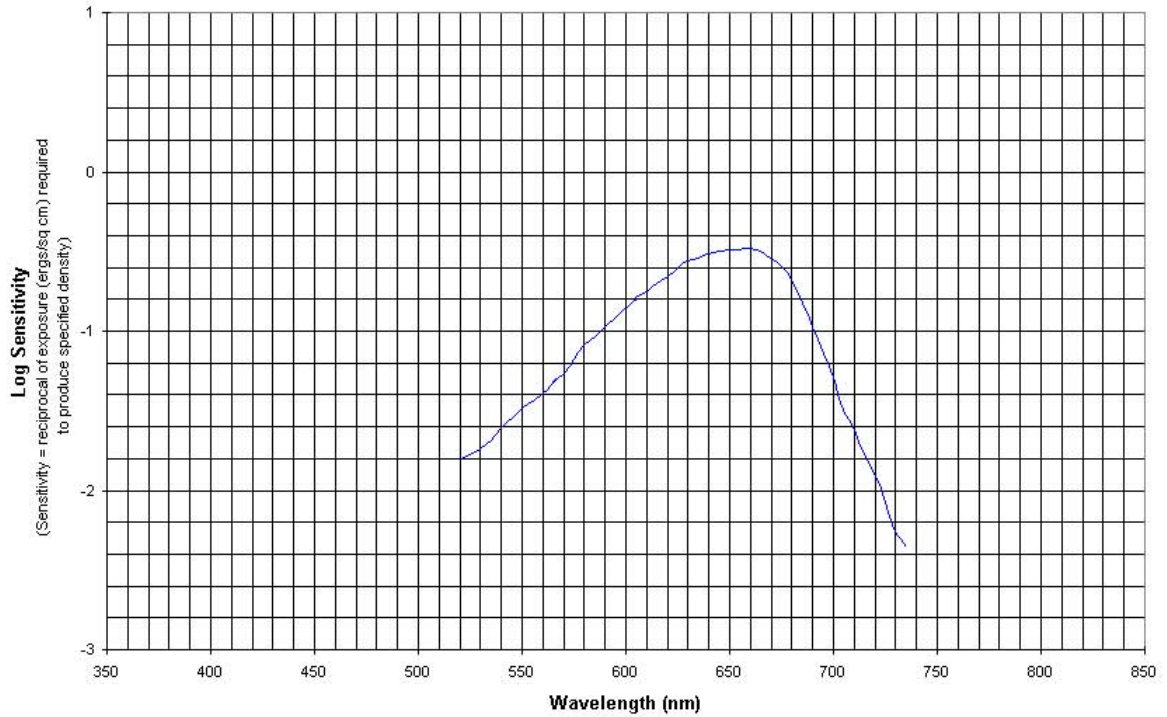
Spectral Sensitivity

C. (10-98)

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



T12375B 11-98
SPECTRAL SENSITIVITY, For Publication
KODAK GEN 5 Films GRD, GRD7, GRDM, GR7M
KODAK RA 2000 Developer and Replenisher (1:2),
20 sec, 35C (95 F), D=0.60= D-min,

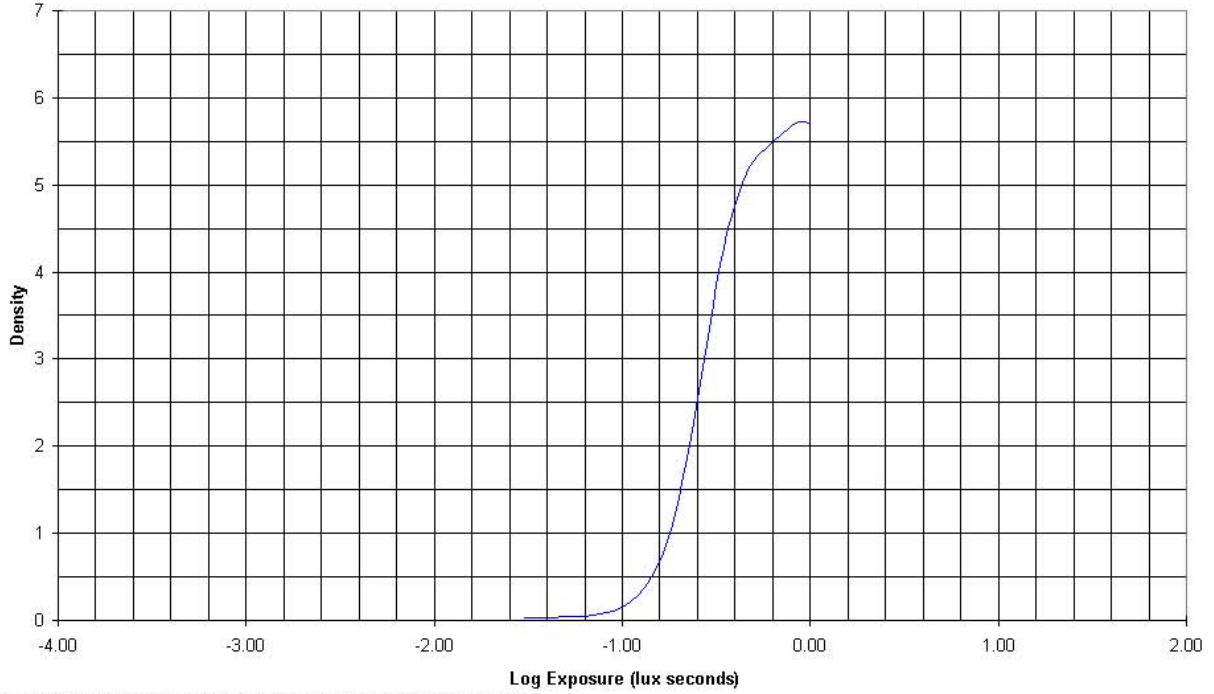


Notice: While the data presented are typical of production coatings, they do not represent standards which must be met by Eastman Kodak Company. Varying storage, exposure and processing conditions will affect results. The company reserves the right to change and improve product characteristics at any time.



T12375C 12-98
CHARACTERISTIC, For Publication

KODAK GEN 5 Film GRDM, GR7M
Exp. red laser, KODAK RA 2000 Developer and Replenisher (1:2), 95F, 20 sec; Diffuse visual



Notice: While the data presented are typical of production coatings, they do not represent standards which must be met by Eastman Kodak Company. Varying storage, exposure, and processing conditions will affect results. The company reserves the right to change and improve the product characteristics at any time.

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>