FUJIFILM RECORDING FILM HG HRL

FEATURES

Recording Film HG HRL is a film in Fujifilm's HQ System which designed for color scanners or imagesetters equipped with red light emitting diodes (LEDs). Our charged acceleration emulsion technology provides the following features when used with HQ System developer.

1. A new film base minimizes the effect of humidity on film size, helping to assure more accurate imagesetter output.
2. When used with imagesetters such as the "TANTO" DT-R5120, if neccessary, developing time can be reduced to about two-thirds of the previous requirement, or approximately 20 seconds. This ends the need for waiting during continuous processing, boosting productivity. Quicker processing will also allow users to take full advantage of new and faster RIPs.
3. Superb hard and sharp dot reproduction.
4. High Dmax.
5. Handling as easy as rapid access.
6. Accurate tone reproduction of stochastic dots.

BASE

0.1 mm polyester base

SENSITIVITY

Red sensitive

SAFELIGHT

Use under Fuji Safelight Glass SLG No.4B (green) with a 10 W bulb at a distance of at least 1 m.

PROCESSING HG HRL can be processed in various rapid access processors.
To obtain "HQ performance", process at the following conditions.

Processing Conditions

Case 1

Standard Processing Conditions

Step	Temperature	Time (sec.)	Remarks
Development	35 °C (95 °F)	30 (35*)	—
Fixing	34 °C (93 °F)	—	—
Wash	—	—	Flow rate of at least 5 liters/min.
Dry	40 °C (104 °F)～50 °C (122 °F)	—	—

* When using the Dainippon Screen LD-167Q (the online processor for DT-R1035/2035), the development time can be either 35 sec (the same as HG HRE) or 30 sec.

Case 2

When used with TANTO (if neccessary)

Step	Temperature	Time (sec.)	Remarks
Development	38 °C (100 °F)	20	—
Fixing	36 °C (97 °F)	—	—
Wash	—	—	Flow rate of at least 5 liters/min.
Dry	50 °C (122 °F)～60 °C (140 °F)	—	—

20 sec development results in slightly lower (about 5% of light intensity) sensitivity compared with 30 sec development.

Mixing Chemicals

(1) Liquid Chemicals*

Chemical	Name	Dilution Ratio (Chemical : Water)
Developer	QR-D1	1 : 3*
	HR-D1	1 : 2
Developer Replenisher	QR-D1	1 : 2
Fixer, Fixer Replenisher	UR-F1	1 : 2

* When using the Dainippon Screen LD-167Q (the online processor for DT-R1035/2035), the dilution ratio of developer can be either 1 : 2 (the same as the HG HRE) or 1 : 3.

(2) Powder Chemicals*

Chemical	Name	Mix with water up to:
Developer	QR-D1 PD	20 liters
	HR-D1 PD	20 liters
	ChemPact HQ	20 liters
Developer Replenisher	QR-D1 PD	20 liters
	ChemPact HQ	20 liters
Fixer, Fixer Replenisher	UR-F1 PD	20 liters
	ChemPact Fixer	20 liters
Fixer Hardener	UR-F1 PD H	—
	ChemPact Hardener	—

* Available Chemicals depend on the territory.

For details about HQ chemicals, see the HQ System Processing Manual.

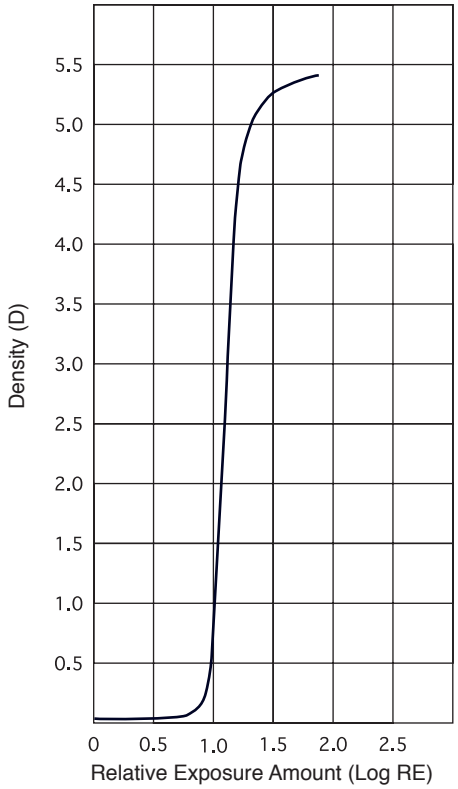
Standard Replenishment Amount

The standard replenishment amount per one sheet of 50.8 cm×61.0 cm (20×24 in.) size film is as follows :

(1) Liquid Chemicals
Developer Replenishment : 100 ml
Fixer Replenishment : 120 ml

(2) Powder Chemicals
Developer Replenishment : 120 ml
Fixer Replenishment : 120 ml

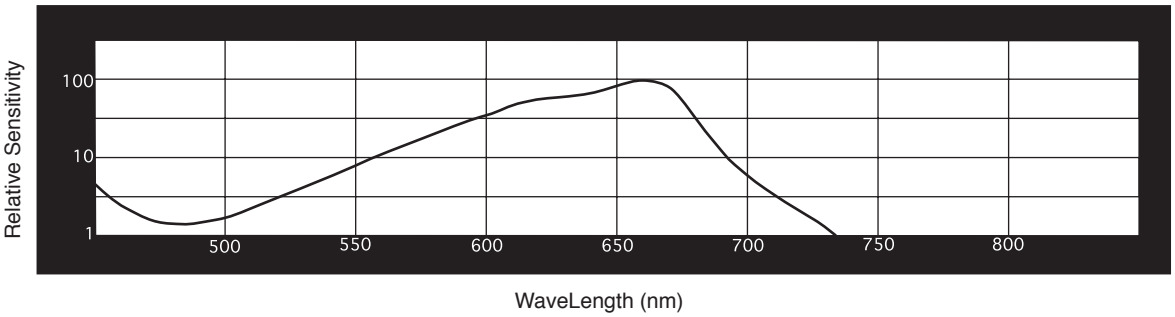
CHARACTERISTIC CURVE



Exposure：Xe, 10^{-4}sec., 660nm
Dev：QR-D1, 35°C 30sec.

SPECTRAL SENSITIVITY

HG HRL



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Ref.No.GA-D91E（IN-507103・FG/FG 10-1）Printed in Japan