

FUJIFILM PLOTTER FILM HG NEW HPR-7**FEATURES**

Plotter Film HG New HPR-7 is one of the films in Fujifilm's new HQ Systems. It is designed for laser photoplotters equipped with He-Ne lasers or red laser diodes. Our newly developed charged accelerator emulsion technology provides the following features when used with HQ System developers.

- 1.HG New HPR-7 has sensitivity and contrast suitable for laser photoplotters with He-Ne lasers or red laser diodes to provide images with sharp edges.
- 2.HG New HPR-7 is suitable for processing with the Fujifilm HG system developer, which provides high quality and consistent results.
3. To eliminate false signals with AOI (Automated optical inspection), there is no matte on emulsion side.
4. The film backing layer has incorporated a newly developed electroconductive grain to provide permanent protection from charging.
5. HG New HPR-7 has wide exposure latitude, allowing accurate reproduction regardless of exposure variations.
6. HG New HPR-7 absorbs less ultraviolet light, allowing the reduction of the exposure time onto the photoresist.

BASE

0.175 mm polyester base

**SPECTRAL
SENSITIVITY**

Red-sensitive

SAFELIGHT

Use a Fuji Safelight Glass SLG-No.4B (green) with a 10 watt lamp. Handle the film at a distance of at least one meter away from the safelight.

**AUTOMATIC
PROCESSING**

This film is suitable for processing in various rapid access automatic processors.

In order to obtain "HQ performance", it is necessary to use the dedicated developer QR-D1. For fixer, use our Fixer UR-F1. For details, see below.

Mixing Chemicals:

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

*You can also use Fuji Developer HR-D1 (chemical : water=1 : 2)

Processing Conditions:

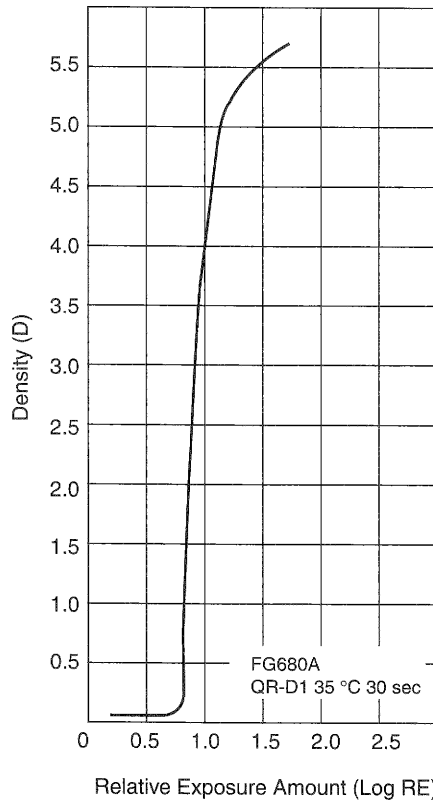
Step	Chemical	Temperature	Time
Development	QR-D1	35 °C (95 °F)	30 sec.
Fixing	UR-F1	25 °C-35 °C (77 °F-95 °F)	—
Wash	Running water, 5 liters/min.	15 °C-30 °C (59 °F-86 °F)	—
Dry	—	50 °C (122 °F) max.	—

Developer Replenishment Rates

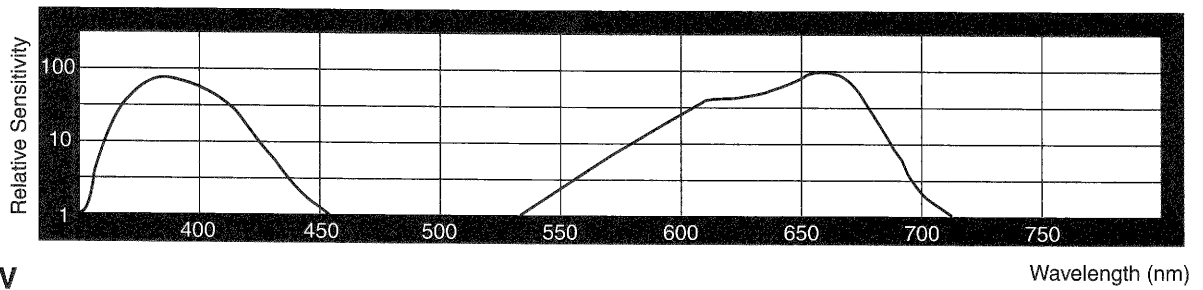
The standard replenishment rates are indicated below in milliliters per sheet of 50.8×61.0 cm size film.

Developer replenisher OR-D1 100 ml
 Fixer replenisher UR-F1 120 ml

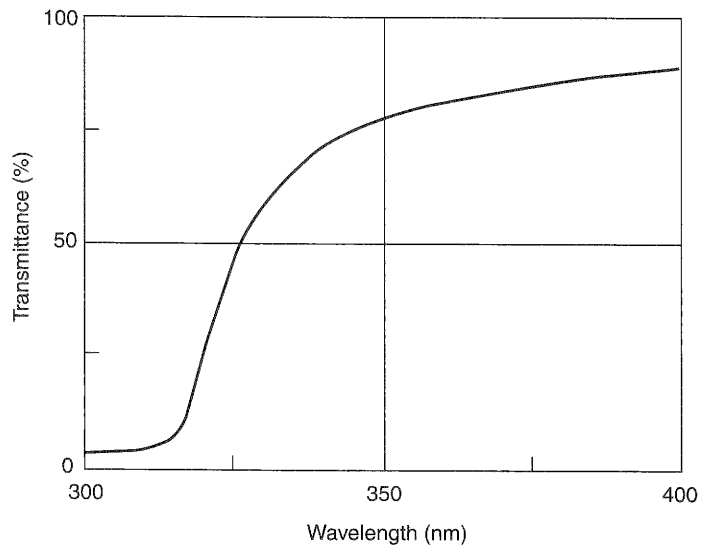
CHARACTERISTIC CURVE



SPECTRAL SENSITIVITY



UV TRANSMITTANCE





 **FUJIFILM**
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