

FUJIFILM MICROFILM NEGATIVE SUPER HR

APPLICATION

FUJIFILM Super HR is an extremely fine grain film with outstanding high resolution characteristics, high contrast and medium speed. This film yields superior quality micro images of business records, newspapers, journals, books and engineering drawings, especially at high reduction ratio. The film is designed to provide sharper, well-defined images for scanning into digital imaging systems.

The film's enhanced spectral sensitivity and high contrast enables sharp reproduction of colored or low contrast text, for example various kinds of colored order sheets, invoices, checks and other sales records.

Good image quality is obtained in table top high temperature processors as well as in high speed-normal temperature processors.

An Anti-halation Undercoat incorporating solid-particle absorbing dyes contributes to the superior light-absorbing qualities. Film waste due to room light fogging is markedly reduced during camera loading and unloading. This technology leads to the reduction in light scatter within the emulsion increasing image sharpness significantly.

EXPOSURE INDEX

80
The exposure index is based on formula 45/E (M.C.S.) at a density of 1.2 above gross fog .

COLOR SENSITIVITY

Panchromatic

SAFELIGHT

Total darkness required

BASE USED

PET-63	Polyester	Clear base	0.063 mm (2.5 mils)
PET-100	Polyester	Clear base	0.100 mm (4.0 mils)
PET-125	Polyester	Clear base	0.125 mm (4.9 mils)

THICKNESS BEFORE PROCESSING

PET-63	0.068 mm (2.7 mils)
PET-100	0.105 mm (4.1 mils)
PET-125	0.130 mm (5.1 mils)

RESOLVING POWER

Test Object Contrast	Lines/mm
1:1000	850

PROCESSING

Measured on Fujifilm resolution tester model FRE-1

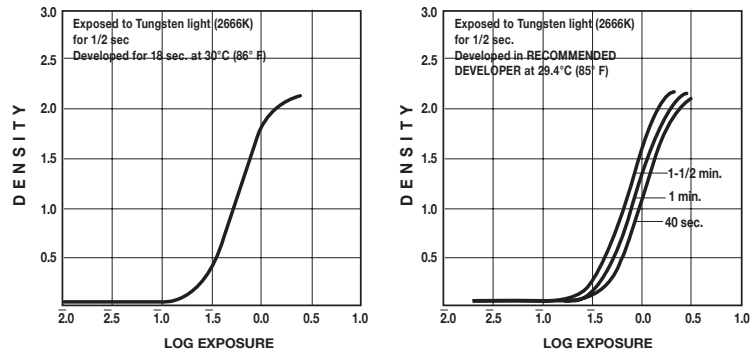
FUJIFILM Super HR film has been designed for broad compatibility with all standard processing equipment and will produce uniformly excellent results with all high quality microfilm developers.

FUJIFILM Super HR film may be safely processed in high speed-normal temperature processors as well as in table top high temperature processors. In view of the great variety in the basic design of processors, rigid statements on development times tend to mislead rather than guide the user. The best development time should be established in each processing operation on the basis of equipment design and end results desired.

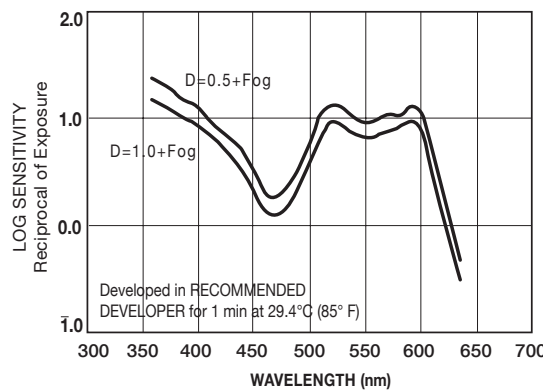
Only chemicals specifically designed for microfilm should be used. After the standard practice of development and fixing a sufficient wash should follow to reduce thiosulphate levels for compliance with ISO standards for archival film.

FUJIFILM MICROFILM NEGATIVE SUPER HR

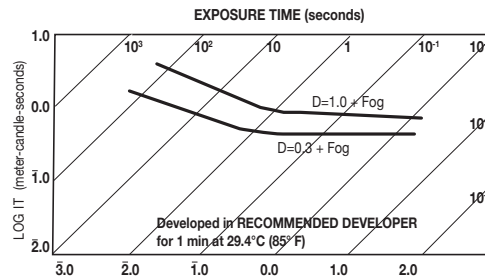
CHARACTERISTIC CURVES



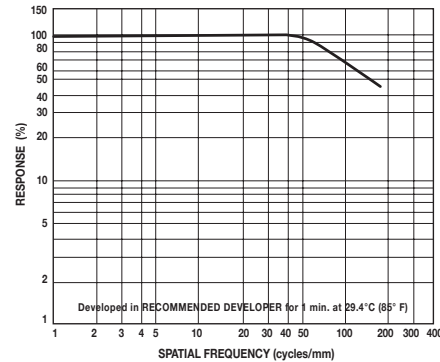
SPECTRAL SENSITIVITY CURVES



RECIPROCITY CURVES



MODULATION TRANSFER FUNCTION CURVE



This document and the information contained therein are offered solely for your consideration, investigation and verification. NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OTHERWISE, ARE MADE OR CONTAINED HEREIN. FUJIFILM Electronic Materials exclusive responsibility for any claims, including claims based on negligence, arising in connection with the information contained herein or the subsequent purchase, use, storage or handling of the product will in no event exceed FUJIFILM Electronic Materials sales price for the product with respect to which damages are claimed. IN NO EVENT WILL FUJIFILM Electronic Materials BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. User accepts full responsibility for compliance with all applicable Federal, state and local laws and regulations. Nothing contained herein will be construed to constitute permission or a recommendation to use the product in any process or formulation covered by a patent or a patent application owned by FUJIFILM Electronic Materials or by others. No statements or representations which differ from the above shall be binding upon FUJIFILM Electronic Materials unless contained in a duly executed written agreement. These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited. FUJIFILM is a trademark of FUJIFILM Corporation and its affiliates. (C) 2012 FUJIFILM Electronic Materials, Inc.

FUJIFILM North America Corporation
Industrial and Corporate
New Business Development Division
200 Summit Lake Drive
Valhalla, New York 10595-1356
1.800.755.3854
FujiFilmMicroFilm.com