

FUJI MICROFILM NEGATIVE Super HR PET-63, PET-100, PET-125

APPLICATION Fuji Super HR PET-63, PET-100 and PET-125 are extremely fine grain films with outstanding high resolution characteristics, high contrast and medium speed. These films yield 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 online systems of information. 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 the high speed-normal temperature processors. An Antihalation Undercoat incorporating solid-particle absorbing dyes contributes to the superior light-absorbing qualities. Film waste due to roomlight fogging is markedly reduced during camera loading and unloading. And a concurrent reduction in light scatter within the emulsion booths 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)

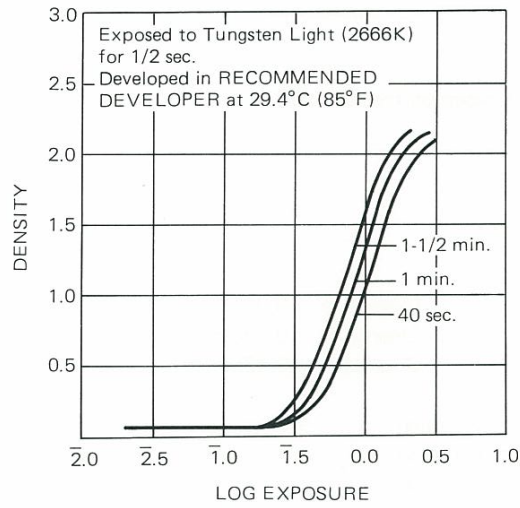
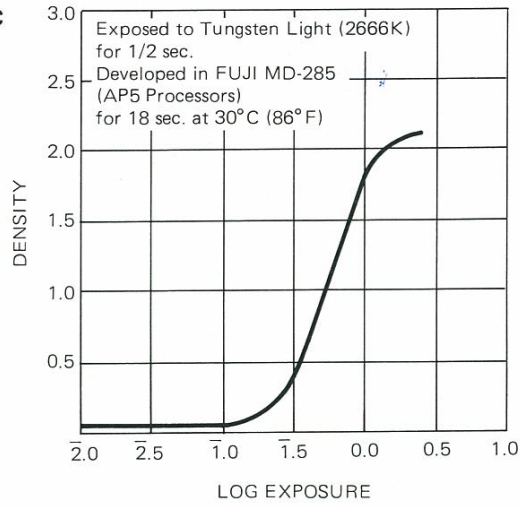
THICKNESS BEFORE PROCESSING	PET-63	0.068 mm (2.7 mils)
	PET-100	0.105 mm (4.1 mils)
	PET-125	0.130 mm (5.1 mils)

Resolving Power	Test Object Contrast	Lines/mm
	1:1000	850

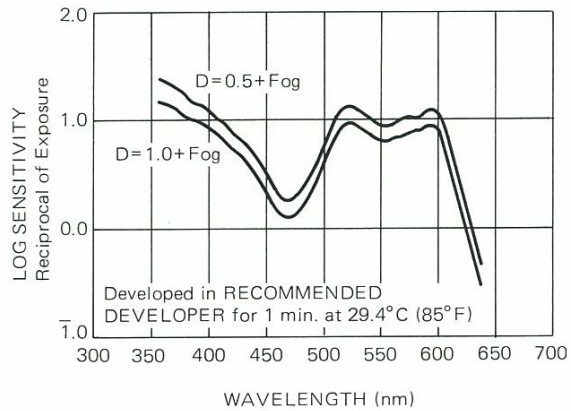
Measured on Fuji Resolution Tester Model FRE-1

PROCESSING Fuji Super HR PET-63, PET-100 and PET-125 films have been designed for broad compatibility with all standard processing equipment and will produce uniformly excellent results with all microfilm developers of high quality. Fuji Super HR PET-63, PET-100 and PET-125 films may be safely processed in the 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 standard practice of development and fixing a sufficient wash should follow to reduce thiosulphate levels for compliance with ANSI and ISO standards.

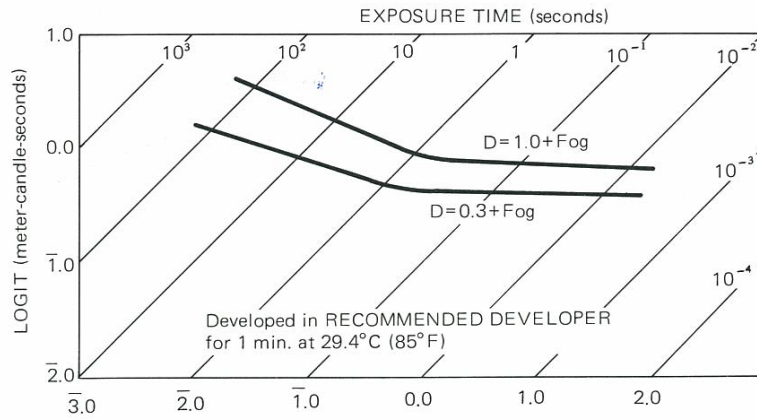
CHARACTERISTIC CURVES



SPECTRAL SENSITIVITY CURVES



RECIPROCITY CURVES



MODULATION TRANSFER FUNCTION CURVE

