

TECHNICAL INFORMATION

Negative Film WOLFEN NP100

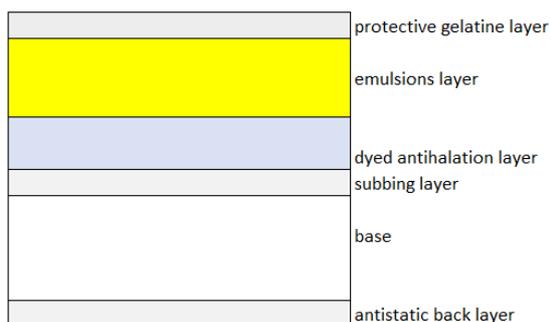
Product description:

Negative Film WOLFEN NP100 is a panchromatic medium speed black-and-white negative camera film for both outdoor and indoor usage.

an additional dyed antihalation layer. This layer is positioned between the base material and the emulsion layer and has the task of preventing the formation of a reflection halo. This improves image sharpness.

Base: Safety base, triacetate, grey coloured, 135 µm

Structure of layers:



Storage:

<i>Raw Stock:</i>	up to 12 month:	18°C or lower
	more than 12 month:	13°C or lower
<i>Exposed film:</i>	recommended relative humidity:	50 to 70%
	process as soon as possible	

Processed film: store at $\leq 21^{\circ}\text{C}$ or lower with 40 to 60 % relative humidity for normal periods
long term storage: according to the standards ISO 5466, SMPTE RP131 and ANSI IT9.11

Substances such as sulphur dioxide and hydrogen sulphide, formaldehyde vapours, radioactive radiation, and X-rays have a negative influence on films.

Warranty:

24 months provided the storage conditions specified above have always been observed.

Exposure Index: 100/21°

The speed value refers to a developed WOLFEN NP100 average gradient of 0.65. The exact exposure Index depends on the prevailing shooting and processing conditions.

Special features of light meters, shooting conditions, planned artistic effects and deliberate processing changes are to be taken into account in setting the lens aperture. Rehearsal screen tests are recommended.

Darkroom lighting

UN 54 should be processed in total darkness. If absolutely necessary, a safe light using an indirect 15 watt lamp can be used while processing, having an ORWO safe light filter no. 108 (dark green), Kodak no. 3 or Ilford no. 908, but a distance of at least 75 cm should be maintained.

Processing:

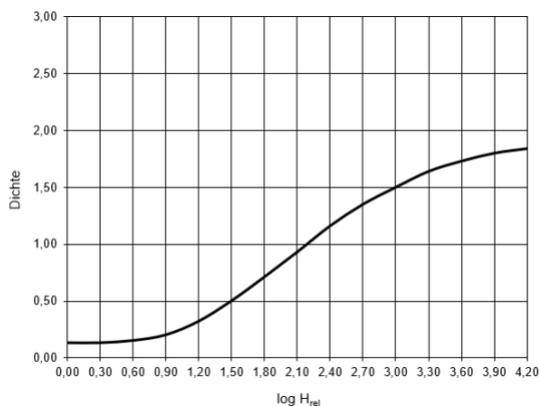
As *Negative Film* according to ORWO instruction 1182 (D96) to a recommended average gradient of 0.65.

RMS-Granularity:

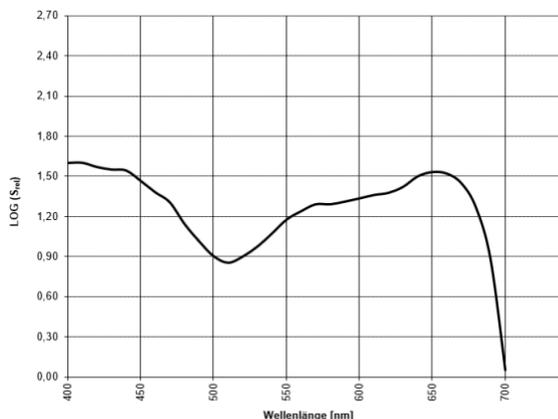
A average value of 12 (read at a net visual diffuse density of 1.0 above the minimum density using a 48 μm aperture)

Modulation transfer factor m_{30} : $\geq 0,80$

Characteristic curve WOLFEN NP100: Processing ORWO-instruction 1182



Relative spectral sensitivity of WOLFEN NP100 Equal-energy spectrum





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