

TECHNICAL INFORMATION

ORWO Duplicating Negative Film DN 2

Product description:

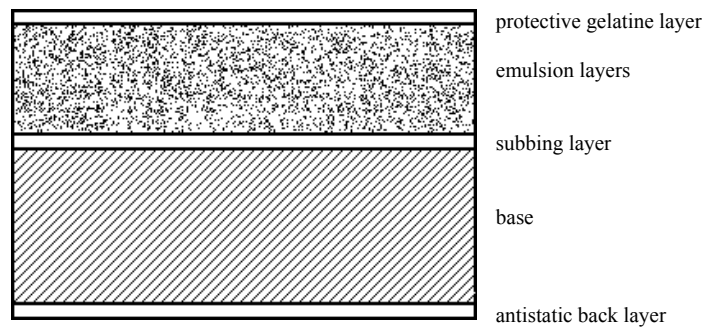
ORWO duplicating negative film DN 2 serves as a film for the production of black & white intermediate negatives. Due to its panchromatic sensitisation this film can be used for duplicating from b & w master positives as well as from colour master positives producing well-balanced grey values referring to original colours.

The tinted base guarantees an outstanding anti halation.

The excellent photographic and physical properties enable the production of extraordinary black & white prints.

Base: Safety base, Acetate, 135 µm, grey

Structure of layers:



Availability of standard assortment:

width	length	perforation
35 mm	610 m	P-4750 (KS 1870)
35 mm	610 m	N-4740 (BH 1866)
35 mm	305 m	P-4750 (KS 1870)
35 mm	305 m	N-4740 (BH 1866)

further possibilities according to request

Storage:

<i>Raw stock:</i>	up to 12 month:	18°C or lower
	more than 12 month:	13°C or lower
	recommended relative humidity:	50 to 70 %
<i>Exposed film:</i>	process promptly	
<i>Processed film:</i>	for normal periods:	21°C or lower
	relative humidity:	40 to 60%
	long term storage:	according to the standards ISO 5466, SMPTE RP131 and ANSI IT9.11

Substances as sulphur dioxide and hydrogen sulphide, formaldehyde vapours and radioactive radiation have a negative influence on unexposed films.

Warranty: 24 month provided the storage conditions specified above have always been observed.



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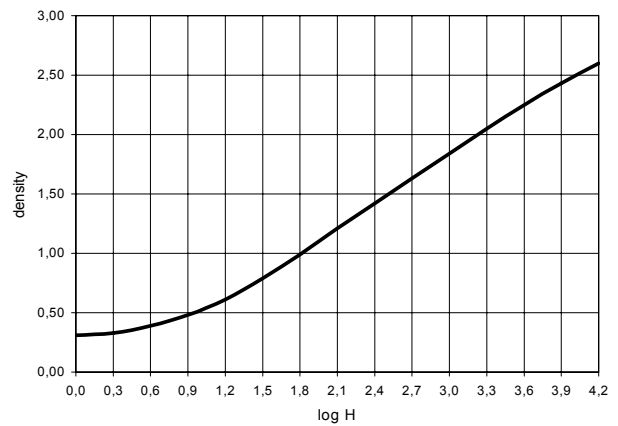
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Processing: According to ORWO processing instruction 1182 (D96) to a recommended average gradient of 0,65. Process promptly.

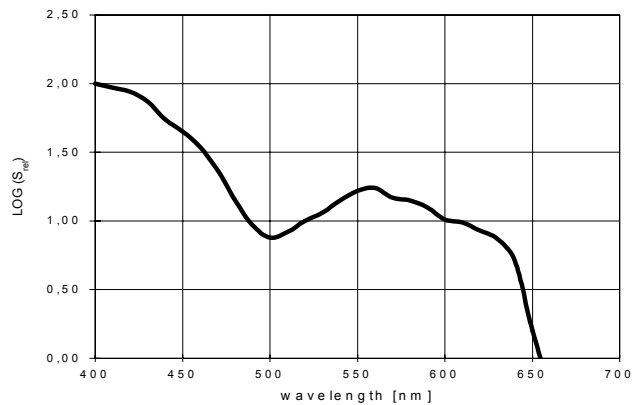
RMS-Granularity: ≤ 9 (read at a net visual of diffuse density of 1,0 above the minimum density using a 48 μm aperture).

Modulation transfer function m_{30} : ≥ 89

Characteristic curve DN 2: Processing ORWO instruction 1182



Spectral sensitivity: For equal energy spectrum



Darkroom lighting:

Films should be processed in total darkness. If absolutely necessary, processing can be done at a light of a 15 watt-lamp (indirect) with ORWO safelight filter no. 108 (dark green), Kodak no. 3 or Ilford no. 908, but a distance of at least 75 cm should be kept.