

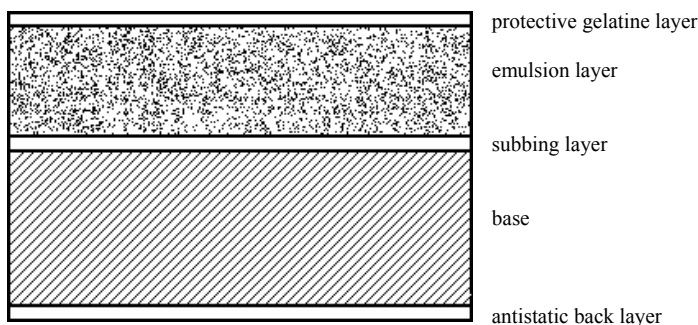
TECHNICAL INFORMATION

ORWO Duplicating Positive Film DP 3

Product description: ORWO duplicating positive film DP 3 serves as a film for the production of intermediate positives (master positives). Due to its panchromatic sensitisation this film can be used for duplicating from black & white negatives as well as from colour negatives producing well-balanced grey values referring to original colours. Special features of this film are the excellent resolving power and the extraordinary fine grain.

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

Structure of layers:



Availability of standard assortment:

| width | length | perforation |
|-------|--------|------------------|
| 35 mm | 305 m | P-4750 (KS 1870) |
| 35 mm | 305 m | N-4740 (BH 1866) |
| 35 mm | 610 m | P-4750 (KS 1870) |
| 35 mm | 610 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 | 14°C or lower |
| | recommended relative humidity: | 50 to 70 % |
| <i>Exposed film:</i> | process as soon as possible | |
| <i>Processed film:</i> | store at 21°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 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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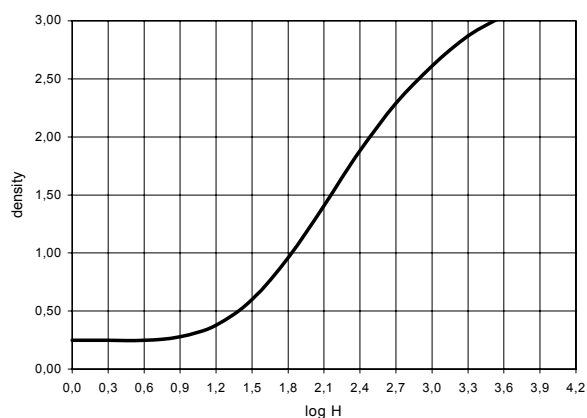
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Processing: According to ORWO instruction 1182 (D96) to a recommended average gradient of 1,6. Process as soon as possible.

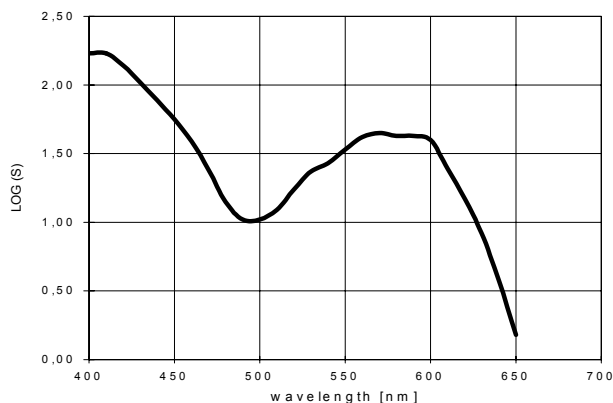
RMS-Granularity: ≤ 9 (read at a net visual diffuse density of 1,0 above the minimum density using a 48 μm aperture)

Modulation transfer factor m_{30} : $\geq 0,70$

Characteristic curve DP 3: Processing ORWO instruction 1182



Relative spectral sensitivity of DP 3: Equal-energy spectrum



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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 safe light filter no. 108 (dark green), Kodak no. 3 or Ilford no. 908, but a distance of at least 75 cm should be kept.