

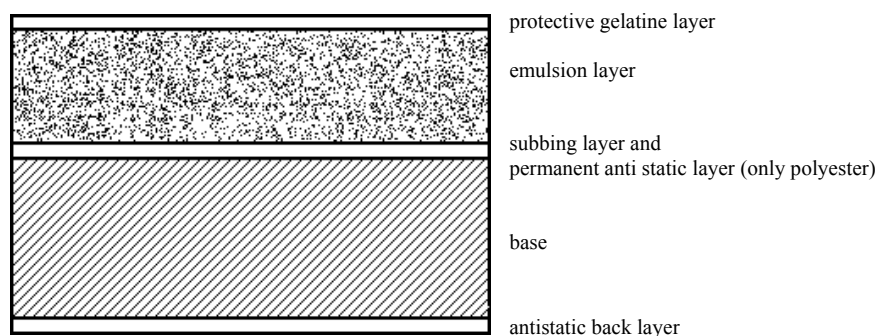
TECHNICAL INFORMATION

ORWO Positive Print Film PF 2

Product description: The ORWO Positive Motion Picture film serves as a standard film for the production of black & white prints. PF 2 has an extremely fine grain and an excellent resolving power. PF 2 is suitable for all technical methods of black & white cinematography and, especially when used in connection with ORWO negative films and ORWO duplicating films, it produces excellent prints with well balanced grey values. The both anti static layers of the polyester film guarantee dust free projections.

Base: Safety base, acetyl cellulose, 135 µm, clear
or safety base, polyester, 120 µm, clear

Structure of layers:



Availability of standard assortment:

| film width | roll length | perforation |
|-----------------|-------------|------------------------|
| 35 mm | 610 m | P-4750 (KS 1870) |
| 35 mm | 305 m | P-4750 (KS 1870) |
| 16 mm (acetate) | 2 x 610 m | 1-0 RA-7620 (1RA 3000) |
| 16 mm (acetate) | 2 x 610 m | 1-2 R-7620 (2R 3000) |

Further conversion upon request

Storage:

| | | |
|-------------------|-------------------------------|------------|
| <i>Raw stock:</i> | up to 12 month: | ≤ 18°C |
| | more than 12 month: | ≤ 13°C |
| | recommended relative humidity | 50 to 70 % |

Exposed films: process promptly
Processed films: storage 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 films.

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



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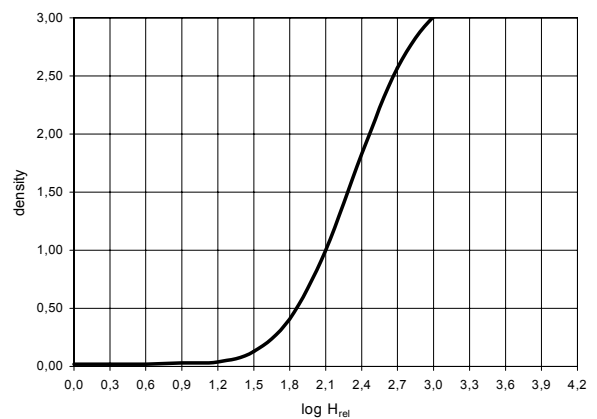
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Processing: According to ORWO instruction 2182 (D97) to a recommended average gradient of $g=2,8$. Process promptly after exposure.

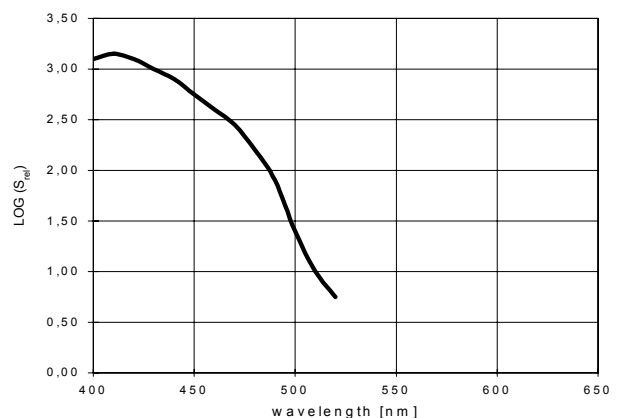
RMS-Granularity: ≤ 10 (read at a net visual diffuse density of 1,0 above the minimum density using a $48 \mu\text{m}$ aperture)

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

Characteristic curves: Processing: ORWO instruction 2182



Spectral sensitivity: For equal energy spectrum



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Darkroom lighting: Processing can be done with a 15 watt lamp and a minimum distance of 1,2 m with the following filters: ORWO no. 104 (red-brown), Kodak no. 0C / Ilford no. 904 or ORWO no. 107 (red), Kodak no. 1 / Ilford no. 906.