

SLIDE? But, please directly!



Rollei RSD

Film for the direct development of B&W slides, in a unsurpassed quality.

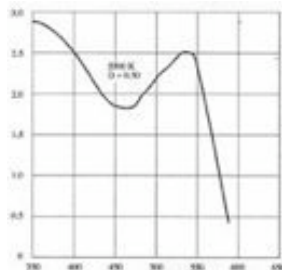


The **ROLLEI SLIDE DIRECT (RSD)**, is a special silver-containing film, which leads after a traditional B&W film processing, directly into B&W slides. It is a low sensitive B&W film with a nominal sensitivity of, for instance ISO 10/20. With extremely high sharpness, as well as tonality values. It can be universally used for almost ALL photographic tasks. Particularly, it is suitable for making title slides, and for copying of negatives, in order to receive in one processing step a negative again. Old negatives on triacetate film base, can be copied with its assistance for long-term archiving

Characteristics:

- low sensitive, high resolution, orthochromatic film;
- very good resolution power, extremely fine grain, and very high sharpness, as basis for excellent slides;
- special coating for the improvement of the transportation characteristics in the cameras;
- polyester base with high breaking and ultimate tensile strength;
- LE 500 (life expectancy of 500 years archival proof of film, examined by the Rochester Institute of Technology, Rochester, USA);
- Anti-halo-layer for the minimalization of de-focusing;
- anti-curling-layer for considerable improvement of film flatness;
- Anti-Newton-layer against Newton rings;
- the film can be used at day-, artificial light, and flashlight;
- the film behaves before and after processing antistatically;
- accurate, tear firm, transparent P.E.T. film base
- owing to its highly transparent film base, very well suitable for scanning and projection;

Spectral sensitivity: from 350 to 580 nm



Layer structure:

- highly transparent P.E.T. carrier 100 micron for 35mm and roll film 120
180 micron sheet films
- emulsion side: emulsion layer, halation protective layer,
- back side: anti-static-layer + anti curling + anti Newton layer;

Resolution capacity: dependent from developer. Sample: **ROLLEI DOCU developer RDD**: 326 Lp/mm at contrast Of 1,000 : 1

Emulsion layer thickness: 4 micron

Exposure index: ISO 10/20, sensitivity depends on the choice of the developer;

Film storage:

It is recommended, to display the film not into direct sunlight, strong heat, or high humidity.

- un-exposed film: at max. 22°C, and air humidity of 40-60%;
- exposed film: store cool after exposure, and process film as soon as possible;

Development process:

The ROLLEI SLIDE DIRECT (RSD) should be processed within complete darkness, processing at Roentgen red light is possible. For the reaching of optimal results, test developments are recommended to determine the correct processing times and/or processing temperatures. When using of others, not by ROLLEI examined chemistry, it can come to reduction of sensitivity and reduced blacknesses.

With a film of this kind, the developer/time combinations should be individually prepared. Our data are excluding approximate values.

For the processing of the ROLLEI SLIDE DIRECT (RSD) film, we recommend, above ALL, the ROLLEI DOCU Developer RDD. The information in the following table are based to an 30°C processing temperature.

The **ROLLEI DOCU developer RDD** customs solution, is set as follows:

ROLLEI DOCU Developer	Part A	0.125 Liter
Clear running water		0.3 Liter
ROLLEI DOCU Developer	Part B	0.125 Liter
ROLLEI DOCU Developer-Starter	Part C	0.026 Liter
ROLLEI DOCU Developer-Booster	Part D	0.125 Liter, can be admitted.
Clear running water		0.3 Liter

This deposit results in 1.000 ml of customs solution with booster.

This deposit results in 875 ml of customs solution without booster.

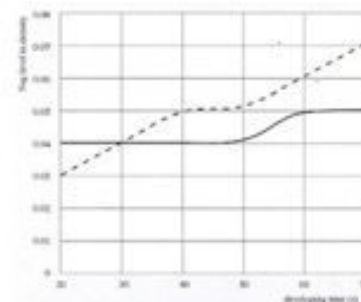
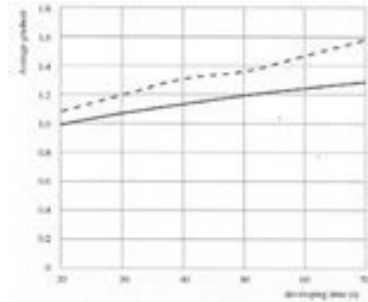
NOTE: Part A must be diluted before the addition by Part B with water.

The RDD starter is absolutely necessary, with a renouncement, basic fog level would be strongly start rising. Should the RDD to be regenerated, then excluding the first deposit with RDD-Starter, the regenerate should be used, however, without the RDD-Starter. The RDD-Booster is necessary for high utilization of sensitivity. With copy machines, with strong sources of light, e.g. in picture places with re-copying and further processing in rolling machines, processing can be without RDD-Booster.

Charcteristic curves:

Average gradient
 --- ROLLEI DOCU Developer
 RDD, without
 - - ROLLEI DOCU Developer
 RDD with Booster at 30°C.

Fog level in density
 --- ROLLEI DOCU Developer
 RDD without
 - - ROLLEI DOCU Developer
 RDD with Booster at 30°C.

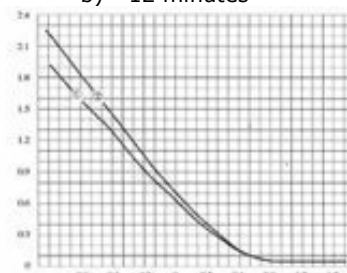
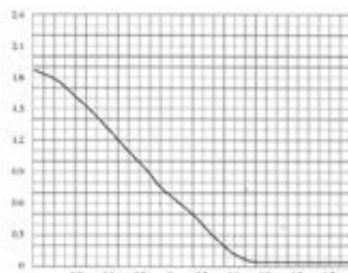


Developer	Developing time	Gamma linear	Speed point
RDD	sec		
Part A+B+C	20	1,00	-0,20 log It
Part A+B+C	30	1,08	-0,10 log It
Part A+B+C	40	1,14	-0,07 log It
Part A+B+C	50	1,20	-0,05 log It
Part A+B+C	60	1,25	-0,02 log It
Part A+B+C	70	1,29	+0,026 log It
Part A+B+C+D	20	1,09	-0,07 log It
Part A+B+C+D	30	1,20	+0,01 log It
Part A+B+C+D	40	1,31	+0,13 log It
Part A+B+C+D	50	1,37	+0,19 log It
Part A+B+C+D	60	1,47	+0,27 log It
Part A+B+C+D	70	1,58	+0,37 log It

Processing:
 ROLLEI High Speed RHS
 1+7, 20°C, 10 minutes

Processing:
 ROLLEI High Contrast RHC
 1+4, 20°C

- a) 8 minutes
- b) 12 minutes



Manufacturing:

35mm film:	135-36	Article No. RSD1011
Roll film	120	Article No. RSD1001
Sheet film	4x5" / 50 ea.	Article No. RSD102
	8x10 / 10 ea.	Article No. RSD106
	10x10" / 100 ea.	Article No. RSD110

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