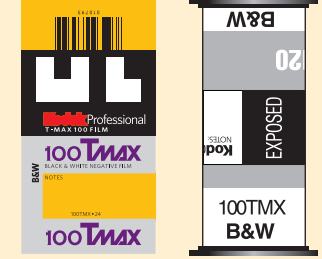

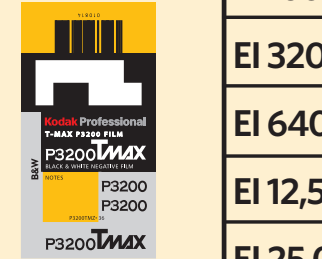
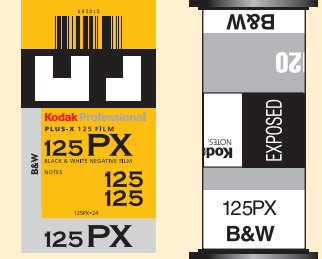
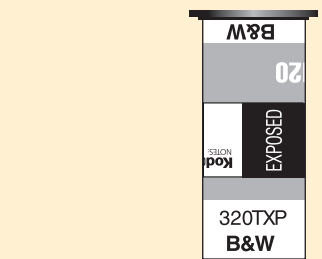
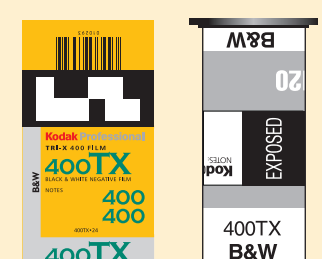

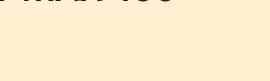
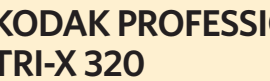


PROCESSING

Kodak black-and-white film



Small Tank Processing, Intermittent Agitation for Tanks That Can Be Inverted							
ROLL FILMS							
KODAK Film	Film Code	Development Time (Minutes)				Comments	Reference Publication
		20°C (68°F)		24°C (75°F)			
		KODAK PROFESSIONAL XTOL Developer	KODAK PROFESSIONAL D-76 Developer	KODAK HC-110 Developer (Dilution B)	KODAK PROFESSIONAL T-MAX Developer (1:4)		
 KODAK PROFESSIONAL T-MAX 100	100TMX	7 1/2	6 1/2	6	6 1/4		F-4016
 KODAK PROFESSIONAL T-MAX 400	400TMY	6 1/2	7 1/2	5 1/2	5 1/2		F-4043
 KODAK PROFESSIONAL T-MAX P3200	EI 400	9 1/2	10 1/2	7 1/2	6 1/2		F-4016
	EI 800	10 1/2	11 1/2	8 1/2	7 1/2		
	EI 1600	11 1/2	12 1/2	9 1/4	8		
	EI 3200	13 1/2	14	10 1/2	9 1/2		
	EI 6400	15 1/4	15 1/2	12	11		
	EI 12,500	17 1/4	—	—	12		
EI 25,000	19	—	—	13 1/2			
 KODAK PROFESSIONAL PLUS-X 125	125PX	(135) 5 1/2 (120/220) 6	5 1/2	3 1/2	4 1/4		F-4018
 KODAK PROFESSIONAL TRI-X 320	320TXP	7 3/4	9	4 3/4	5 1/4	Also T-MAX Developer for 7 1/4 minutes at 20°C (68°F)	F-4017
 KODAK PROFESSIONAL TRI-X 400	400TX	7	6 3/4	3 3/4	4 3/4	Also D-76 Developer (1:1) for 9 3/4 minutes at 20°C (68°F)	F-4017

Tray Processing							
SHEET FILMS							
KODAK Film	Film Code	Development Time (Minutes)				Comments	Reference Publication
		20°C (68°F)		24°C (75°F)			
		KODAK PROFESSIONAL XTOL Developer	KODAK PROFESSIONAL D-76 Developer	KODAK HC-110 Developer (Dilution B)	KODAK PROFESSIONAL T-MAX R5 Developer and Replenisher (1:4)		
 KODAK PROFESSIONAL T-MAX 100	100TMX	6 3/4	5 3/4	5 1/2	5 3/4		F-4016
 KODAK PROFESSIONAL T-MAX 400	400TMY	6	6 3/4	5 1/4	4		F-4043
 KODAK PROFESSIONAL TRI-X 320	320TXP	6	6	3 1/4	NR	Also DK-50 Developer (1:1) for 5 minutes at 20°C (68°F)	F-4017

Final Steps in Processing Black-and-White Film			
Step/Solution	Time (min:sec)	Temperature	Comments
Rinse/stop bath	0:30	18 to 24° C (65 to 75° F)	Agitate continuously. Rinse with a stop bath.
Fix	2:00 to 4:00* with KODAK Rapid Fixer -OR- 5:00 to 10:00* with other fixers		Agitate continuously for the first 30 seconds and at 30-second intervals after that with a hardening fixer. Fix for twice as long as it takes the film to clear (lose its milky appearance). IMPORTANT: With KODAK PROFESSIONAL T-MAX Films, fixer will be exhausted more rapidly than with other films. If negatives show a magenta (pink) stain after fixing, fixer may be near exhaustion, or fixing time is too short. If the stain is pronounced and irregular, refix the film in fresh fixer.
Rinse	0:30		Rinse the film in the tank under running water.
Wash aid	1:00 to 2:00		Treat with KODAK PROFESSIONAL Hypo Clearing Agent. Agitate continuously for the first 30 seconds and then at 30-second intervals.
Wash	5:00		Run the wash water at least fast enough to provide a complete change of water in the container in 5 minutes.
Final rinse/wetting agent	0:30		To minimize drying marks, treat the film with KODAK PHOTO-FLO Solution.
Dry	—		Dry in a dust-free place.
* Times are approximate. Refer to the film or developer instructions.			

These are starting-point recommendations for processing KODAK PROFESSIONAL Black-and-White Films with KODAK PROFESSIONAL Chemicals. For best results, you should make tests to determine the best development time for your application.

NOTE: Development times shorter than 5 minutes may produce unsatisfactory uniformity.