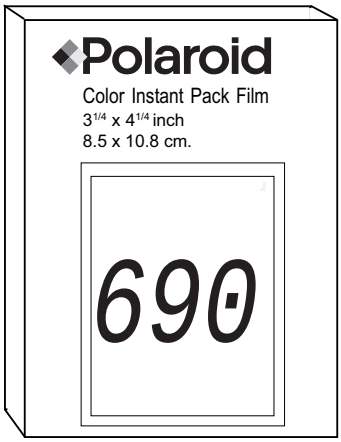
Film Data Sheet
690
Instant Pack Film



Film Speed
ISO 100/DIN 21

Format
$3^1/_4$ x $4^1/_4$ in. (8.5 x 10.8 cm)
Pack Film

Image Area
$2^7/_8$ x $3^3/_4$ in. (7.3 x 9.5 cm)

Finish
Glossy

Exposures per Unit
10 exposures per pack

Development Time
90 seconds at
70°–105°F (21°– 40°C)

Description
Medium-speed, medium-contrast, medium-grain, daylight and electronic flash balanced (5500°K) color print film. It's easy to use, professional quality instant film, with sharp, bright, well-saturated colors, anytime, every time.

Key Application
- Professional photography (proofing or final art)
- Passport/document photography

Compatible Hardware
- Cameras or instruments with CB-103 Back or OEM CB-100 Back (these holders are supplied by medium format camera manufacturers such as Mamiya, Hasselblad, Konica, Pentax, and Bronica)
- Polaroid Model 405 Film Holder
- MiniPortrait Cameras, such as M203, M403, and SPd 360.

Special Instructions
Viewing:
When evaluating the color balance of a print, use the same light source under which the print is to be viewed as a finished product.

Laminating prints:
This film is NOT recommended for use with laminates requiring a wet print to produce a photo-destruct bond.

Not for use for emulsion lift.

Alternative Product
- Polacolor 669

Processing Information

Temperature °F	Temperature °C	Proc. Time (sec.)	Equivalent Film Speed (ISO/DIN)	Exposure Adjustment
70-105	21-40	90	125/22	None
65-69	18-20	120	125/22	None
61-64	16-17	150	125/22	None
55-60	13-15	180	125/22	None

Caution

This film uses a small amount of caustic paste. If any paste appears, avoid contact with skin, eyes and mouth and keep away from children and animals. **If you get some paste on your skin, wipe it off immediately, then wash with water to avoid an alkali burn.** If eye contact occurs, quickly wash the area with plenty of water and see a doctor. Keep discarded materials away from children, animals, clothing and furniture.

Limited Warranty

See information on the film box.

Film Data Sheet
Technical Data

690
Instant Color Peel-Apart Film

The information in this data sheet represents the typical performance of Polaroid's 690 color film. Specific film lots may vary.

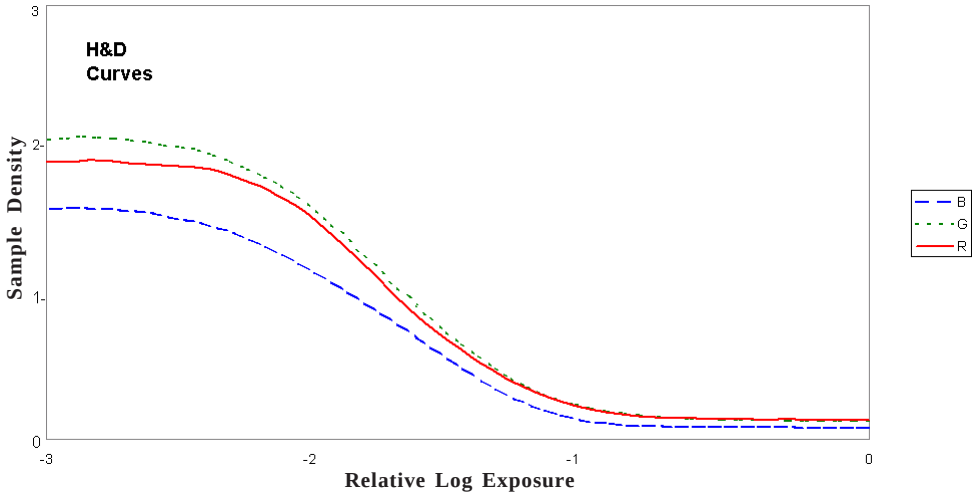
Recommended speed:
ISO/DIN 125/22º

Recommended processing time and temperature:
90 seconds at 70º -95ºF (21º-35ºC)

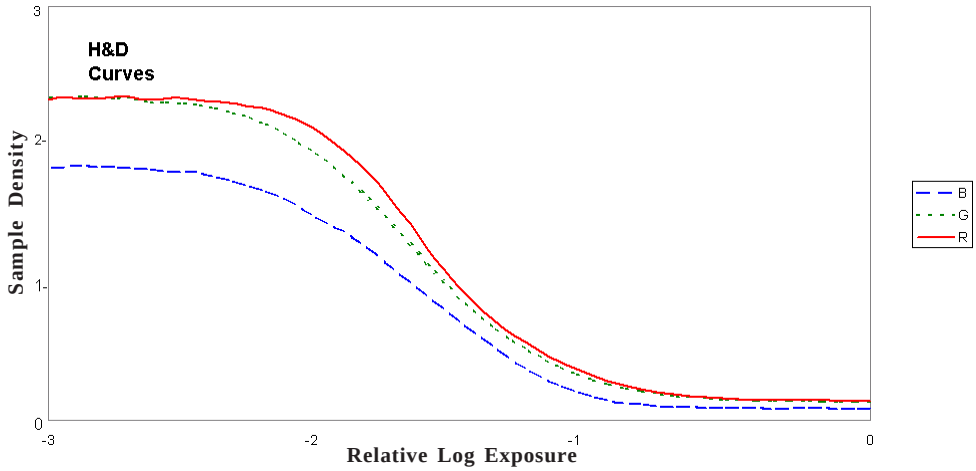
Balance:
Daylight and electronic flash (5500ºK)

Contrast:
Medium

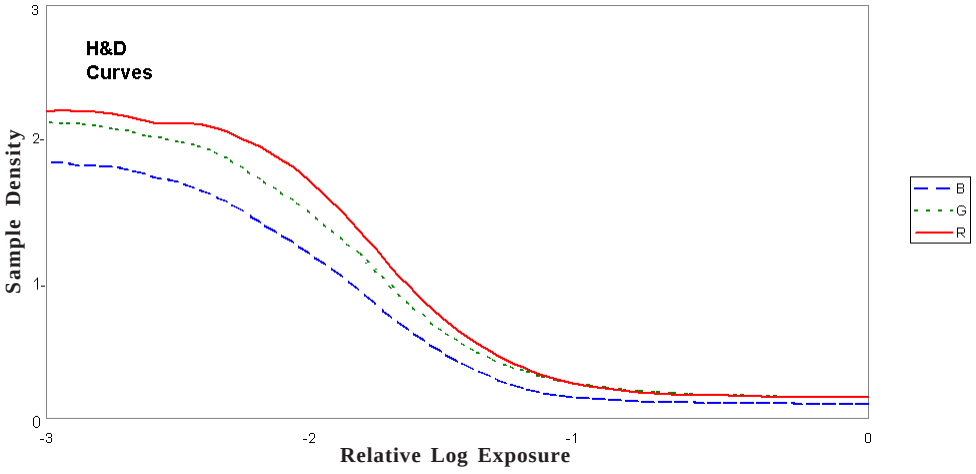
Characteristic H&D Curves for Normal Development



Characteristic H&D Curves for Cold Development

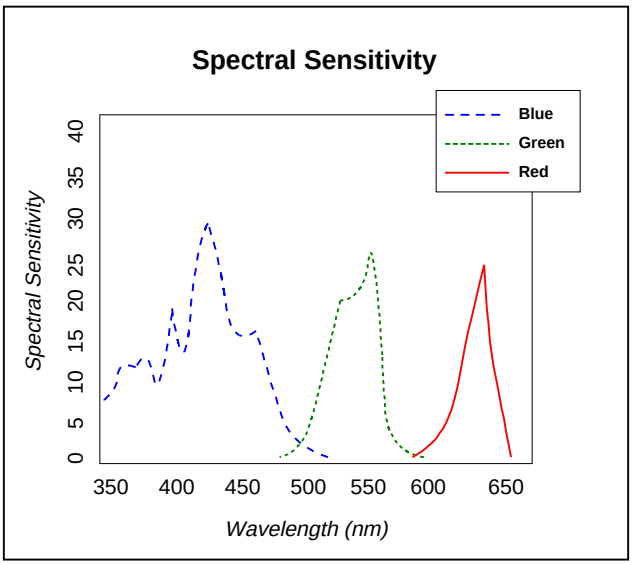


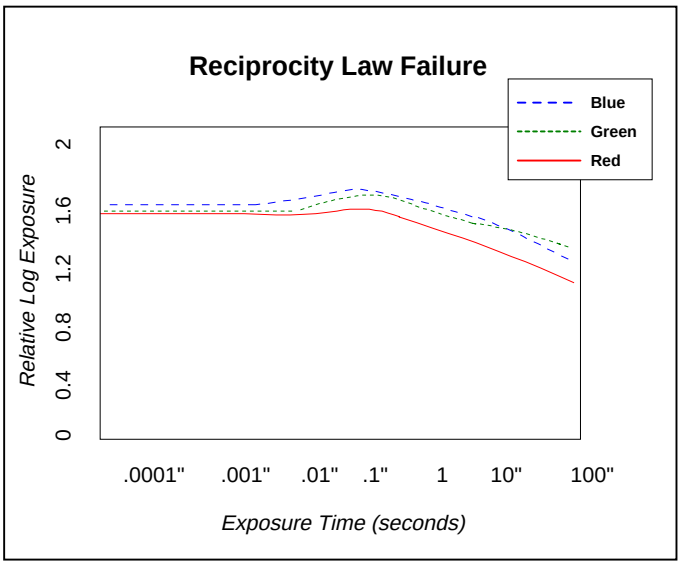
Characteristic H&D Curves for Hot Development

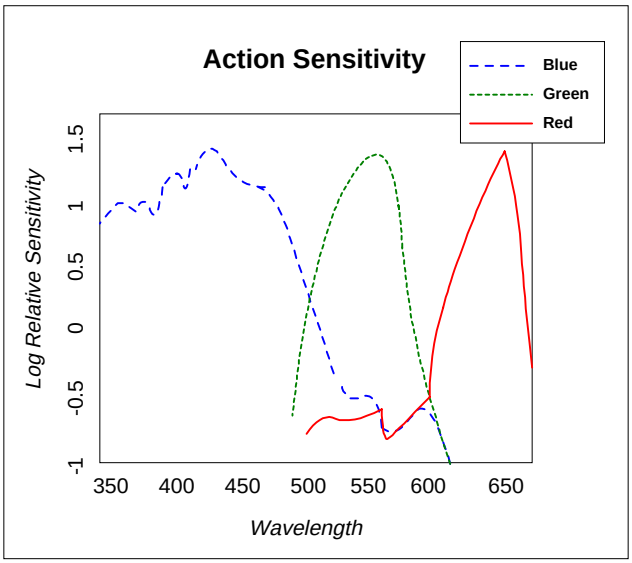


Film Data Sheet
Technical Data

690
Instant Color Peel-Apart Film







Reciprocity: The ability of the film to respond in a constant manner to a constant exposure (light intensity x time). Reciprocity failure occurs during very long or very short exposures, requiring the photographer to increase exposure.

Spectral Sensitivity: Shows the equivalent energy needed at each wavelength in order to activate the emulsion dyes so that they produce a neutral density of 0.75.

Action Spectra: Shows the film's relative sensitivity throughout the visual spectrum.

Film Data Sheet
Technical Data

Polacolor T-79, T-579, T-679,T-690,T-879 Instant Color Peel-Apart Films

Intermittency Effect (Multi-Pop)

Polaroid Proof			Ektachrome (100Plus)	
# of Flashes	**Exposure Change*	***Color Correction*	*Exposure Change*	*Color Correction*
1	none	none	none	none
2	1 stop	cc 5 red	none	none
4	2 stops	cc 10 magenta + 5 yellow	+1/3	none
8	3 stops	cc 15 magenta + 5 yellow	+ 1/2	cc 5 magenta
16	4 stops	cc 25 magenta + 10 yellow	1	cc 5 magenta

* Exposure change from the best Polaroid Proof

** The Polaroid Proof has an increasing green color balance from 4 to 16 flashes. Use the above magenta filtration to subtract green. The recommended filters require the following exposure changes: cc 5m - none, cc 10m + 1/3, and cc 20m + 2/3.

Filter Recommendations

Color Temp (^{o}K)	*Exposure*	*Filtration*	*Effective ISO (approx.)*
2800^{o}K	1/8 sec	80A + 5M	32
	1 sec.	80A + 20M	25
	4 sec.	80A + 30M	20
	15 sec.	80A + 40M	16
3200^{o}K	1/8 sec.	80A	32
	1 sec.	80A + 10M	25
	4 sec.	80A + 20M	20
	15 sec.	80A + 30M	16