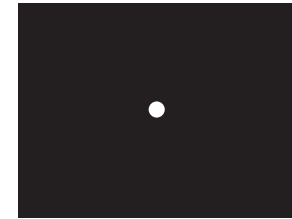




**Pinhole
Photography
Handbook**



www.polaroid.com

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Take a photograph as if sketching a picture



During the 19th century, it was common for artists to use an image capturing technique called camera obscura. The phenomenon of the camera obscura is caused by light seeping through a small hole into a dark room, projecting a startlingly detailed inverted image of the outside world onto the opposite wall. Placing a sheet of paper over the image allowed the artist to draw the scene in perfect perspective.

As a modern day camera obscura, the Polaroid Pinhole Photo Kit will enable you to transform the world around you into paintings of light. And with the freedom given to you by Polaroid instant films, you have the power to create personal masterpieces and enjoy them instantly.



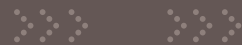


fig. 1



fig. 2

The soft, light touches, like that of an oil painting, transform the everyday street into a picturesque scene. This magic is only made possible with pinhole photography.



fig. 3

fig. 1 (actual size)

Film	Polacolor 669
Pinhole	0.3 mm
Exposure time	60 sec
Added light balancing filter #85c.	

fig. 2 (reduced to 90%)

Film	Polacolor 669
Pinhole	0.3 mm
Exposure time	30 sec.
Added light balancing filter #85c.	

fig. 3 (reduced to 65%)

Film	Type 606
Pinhole	0.3 mm
Exposure time	5 sec.



fig. 4

Just as a photograph captures a thousandth of a second, it can also string together the flow of time, expressing movement and tranquility.



fig. 5



fig. 6

fig. 4 (actual size)

Film	Polacolor 679
Pinhole	0.3 mm
Exposure time	25 sec.

fig. 5 (reduced to 70%)

Film	Polacolor 669
Pinhole	0.4 mm
Exposure time	50 sec.

fig. 6 (actual size)

Film	Polapan Pro100
Pinhole	0.3 mm
Exposure time	60 sec.

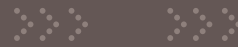


fig. 7

Think of the naked eye, how it keeps everything in focus. The same is true for pinhole photography. Choose a setting to test this unique characteristic.



fig. 8



fig. 9

fig. 7 (actual size)

Film	Polacolor 669
Pinhole	0.3 mm
Exposure time	50 sec.
Added light balancing filter #85c.	

fig. 8 (reduced to 80%)

Film	Polacolor 669
Pinhole	0.3 mm
Exposure time	45 sec.
Added light balancing filter #85c.	

fig. 9 (reduced to 80%)

Film	Polapan 665
Pinhole	0.3 mm
Exposure time	8 sec.



fig. 10

Take advantage of Polaroid film's rich colors. Personalize your photographs with extra color touches of your own.

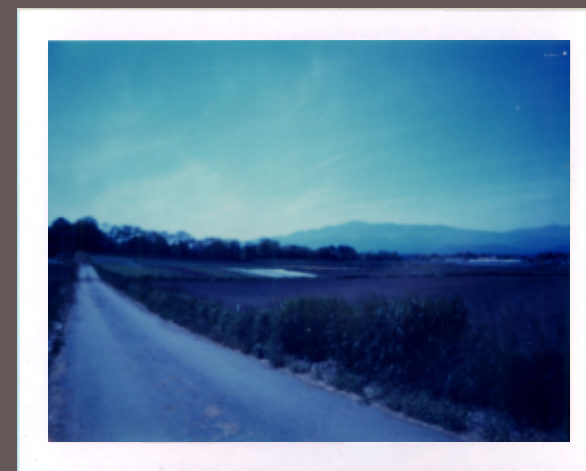


fig. 11



fig. 12

fig. 10 (actual size)

Film	Polacolor 669
Pinhole	0.4 mm
Exposure time	5 min.

fig. 11 (reduced to 70%)

Film	Polacolor 669
Pinhole	0.3 mm
Exposure time	10 sec.

fig. 12 (actual size)

Film	Polacolor 669
Pinhole	0.3 mm
Exposure time	20 sec.
Added light balancing filter #85c.	

Polacolor 669



Type 669
 Film Speed ISO 80 equivalent
 Processing time 60 seconds

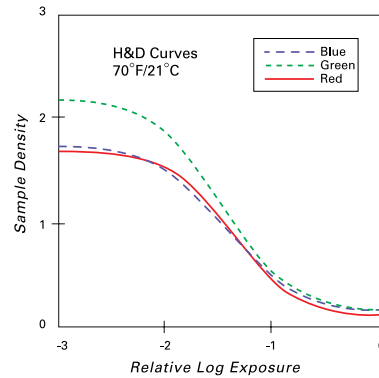
"Type 669" is a color film which uses Polaroid's traditional ER emulsion. The warm colors and soft tone, like that of an oil painting, have won the popularity of photographers and artists around the world. The soft texture, unique to the pinhole photograph fits excellently with the characteristics of Type 669 film. It can also be used for emulsion transfer.



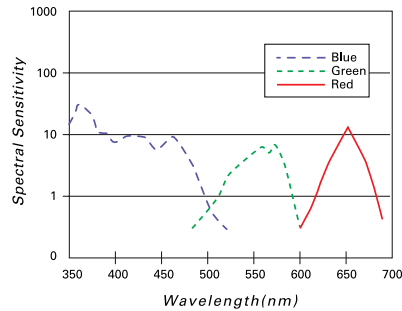
Emulsion/Image Transfer Kit

This art technique uses Polaroid peel-apart film. Emulsion transfers can copy photographic images onto other materials by peeling off the emulsion (image) of the print. Image Transfer is to peel the negative from the positive while it is developing and to press the negative sheet onto other materials. "Emulsion/Image Transfer kit" will help the creation of such photograph using the above technique.

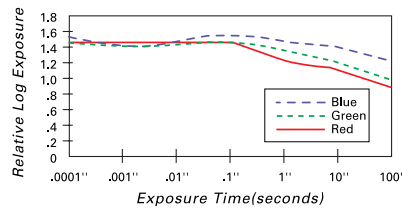
Characteristic H&D curves for normal development



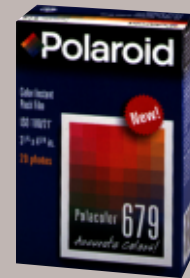
Spectral Sensitivity



Reciprocity Law Failure



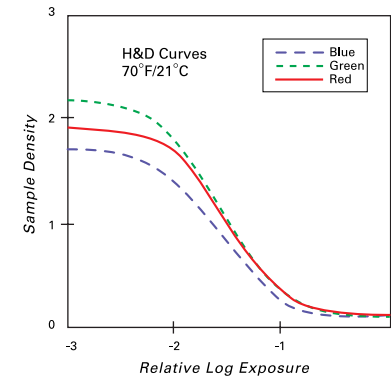
Polacolor 679



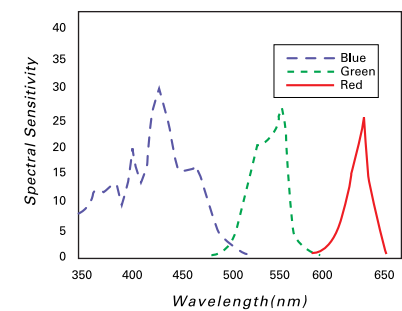
Polacolor 679
 Film Speed ISO100 equivalent
 Processing time 90 seconds

"Polacolor 679" is a color film which uses hybrid emulsion. Due to its sharp images and loyal and vivid reproduction of objects, it is widely used by professionals for various purposes, such as art, documentation and commercial purposes.

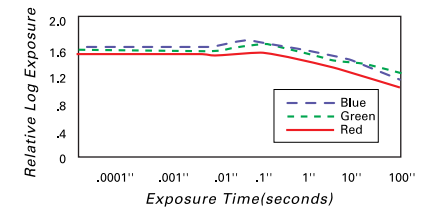
Characteristic H&D curves for normal development



Spectral Sensitivity



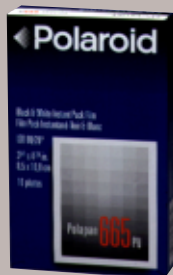
Reciprocity Law Failure





Different films, different results

Polapan 665



Type 665
Film Speed ISO 80 equivalent
Processing time 30 seconds
Print coat required

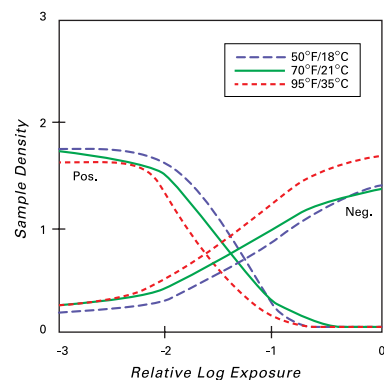
"Type 665" is an instant film which has a "reusable" negative with the resolution of 160 x 180 lines per mm and produces positive prints at the same time. The print illustrates full range of density very smoothly thanks to its fine grain and wider tonal range. In addition, super fine grain negative that holds 10 times more information than the positive print can be utilized for enlargement up to B1 print as well as for platinum print.



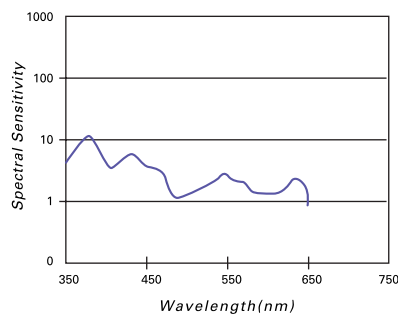
Type 665 and Type 55/Type 51HC's negative management set.

Includes tank, measuring cup film rack, sodium sulfite powder.

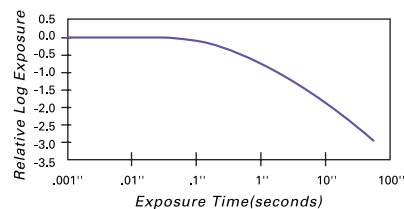
Characteristic H&D curves for normal development



Spectral Sensitivity



Reciprocity Law Failure



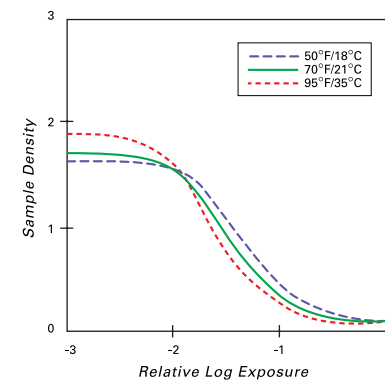
Polapan Pro 100 (Type 664)



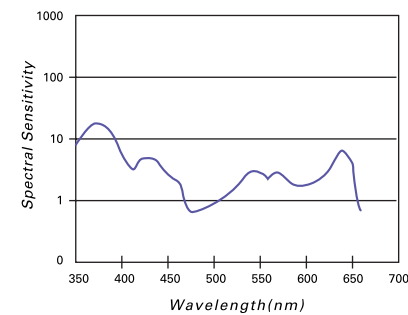
Polapan Pro 100 (Type 664)
Film Speed ISO100 equivalent
Processing time 30seconds

"Polapan Pro 100" is a wide range, fine grain black and white film. Its most impressive feature is that it has no limit to what it can take. Even when photographing with a pinhole camera, it is possible to produce a photograph of natural gradation by wide gray scale and moderate contrast.

Characteristic H&D curves for normal development



Spectral Sensitivity



Reciprocity Law Failure

