

# PFG-01 HOLOGRAPHIC PLATES

## Technical Specifications

### Integraf LLC

Holography Supplies & Resources  
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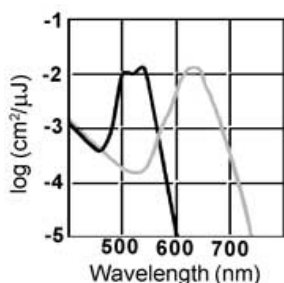
Fx: (425) 821-0773

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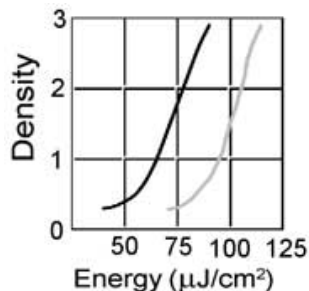
Website: <http://www.integraf.com>

### DESCRIPTION & SPECIFICATIONS

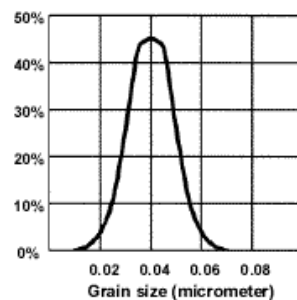
Fine-grained red sensitive holographic plates and film designed for transmission or reflection hologram recording. Average grain size is 40 nm, resolving power more than 3000 lines/mm, spectral sensitivity range 600-680 nm (including 633 nm, 647 nm), and emulsion thickness 7 $\mu$ m. The refractive index is 1.61 and the mass per unit surface of silver halide is 2.7g/cm<sup>2</sup>.



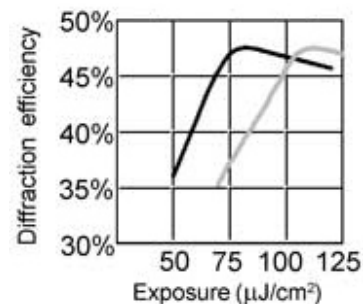
Spectral Sensitivity curves for VRP-M\* (left) and PFG-01 (right).



Characteristic Curves for VRP-M and PFG-01.



Grain Size Distribution Curve for VRP-M and PFG-01.



Diffraction Efficiency Curves for VRP-M and PFG-01.

\*VRP-M is the green-sensitive (488nm, 514nm, 526nm, 532nm) equivalent of the red-sensitive PFG-01. In each of the above graphs, the darker curve on the left represents VRP-M and the lighter curve on the right represents PFG-01.

### SIZES

#### Plates available in different sizes:

- 2.5"x2.5" (63x63mm)
- 4"x5" (102x127mm)
- 8"x10" (203x254mm)
- 12"x16" (300x406mm)
- Custom sizes also available upon request.

#### Film available in different sizes:

- 4"x5" (102x127mm)
- 7.9"x9.7" (200x250mm)
- 12"x16" (300x400mm)
- 1m x 10m
- Custom sizes also available upon request.

### RECOMMENDED PROCESSING

The most commonly used developer and processing chemical used today for PFG-01 is the JD-2 developer, available from Integraf LCC the Photographer's Formulary. Details can be found at [http://www.holokits.com/jd-2\\_holography\\_developer.htm](http://www.holokits.com/jd-2_holography_developer.htm). Kodak D-19 and other processes also possible. Other technical details and specifications are available upon request.