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2" x 2" Negative, USAF 1951 Hi-Resolution Target



UV Fused Silica and Fluorescent USAF 1951 Resolution Targets

Stock #59-153 [CONTACT US](#)

⊖ 1 ⊕ C\$1,911⁰⁰

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Volume Pricing	
Qty 1-4	C\$1,911.00 each
Qty 5+	C\$1,816.22 each
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General

Negative Target **Type:**

Physical & Mechanical Properties

2 x 2 **Dimensions (inches):**

1.50 **Thickness (mm):**

Optical Properties

Coating:
Vacuum Deposited Durable Chromium

Substrate:
[UV Fused Silica](#) (Coming 7980)

Optical Density OD (Average):
>3.0

Resolution:
Minimum: Group 0, Element 1, Maximum Group 9, Element 3

Surface Quality:
20-10

Surface Flatness (P-V):
2λ

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 240:
[Compliant](#)

Product Details

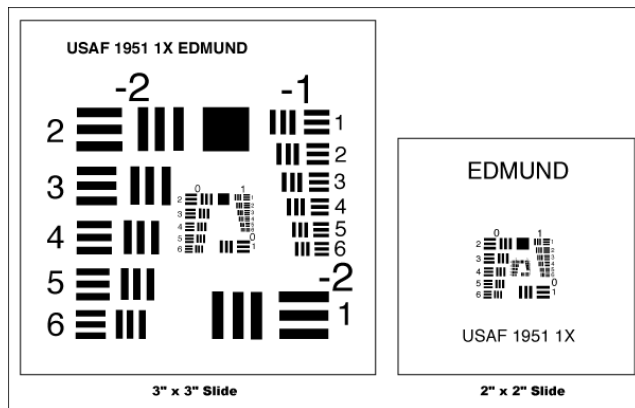
- Designed for Calibration of UV or Fluorescence Microscopes
- Fluorescent Targets have 365nm Excitation Wavelength, 550nm Emission Wavelength
- Negative and Positive Targets Available

The Fused Silica Positive Target (chrome pattern, clear background) has the chrome pattern deposited on the top surface of the target, as does the Fused Silica Negative Target (clear pattern, chrome background).

The Fluorescent Fused Silica Targets are ideal for applications involving fluorescence and confocal microscopy, nanotechnology, photolithography, and other UV-based imaging systems. The Fluorescent Fused Silica Positive Target (chrome pattern, clear background) has a fluorescent material on the top surface of the target. The Fluorescent Fused Silica Negative Target (clear pattern, chrome background) has a fluorescent material on the bottom surface.

Note: Chrome coated top surface will reflect UV radiation. Avoid direct skin contact and eye exposure to UV energy. [UV protective eyewear](#) sold separately. Fluorescent material adds 0.1 - 0.2mm to thickness of fluorescent targets.

Technical Information



Element	Group Number										For High Res only	
	-2	-1	0	1	2	3	4	5	6	7	8	9
1	0.250	0.500	1.00	2.00	4.00	8.00	16.00	32.0	64.0	128.0	256.0	512.0
2	0.280	0.561	1.12	2.24	4.49	8.98	17.95	36.0	71.8	144.0	287.0	575.0
3	0.315	0.630	1.26	2.52	5.04	10.10	20.16	40.3	80.6	161.0	323.0	645.0
4	0.353	0.707	1.41	2.83	5.66	11.30	22.62	45.3	90.5	181.0	362.0	—
5	0.397	0.793	1.59	3.17	6.35	12.70	25.39	50.8	102.0	203.0	406.0	—
6	0.445	0.891	1.78	3.56	7.13	14.30	28.50	57.0	114.0	228.0	456.0	—