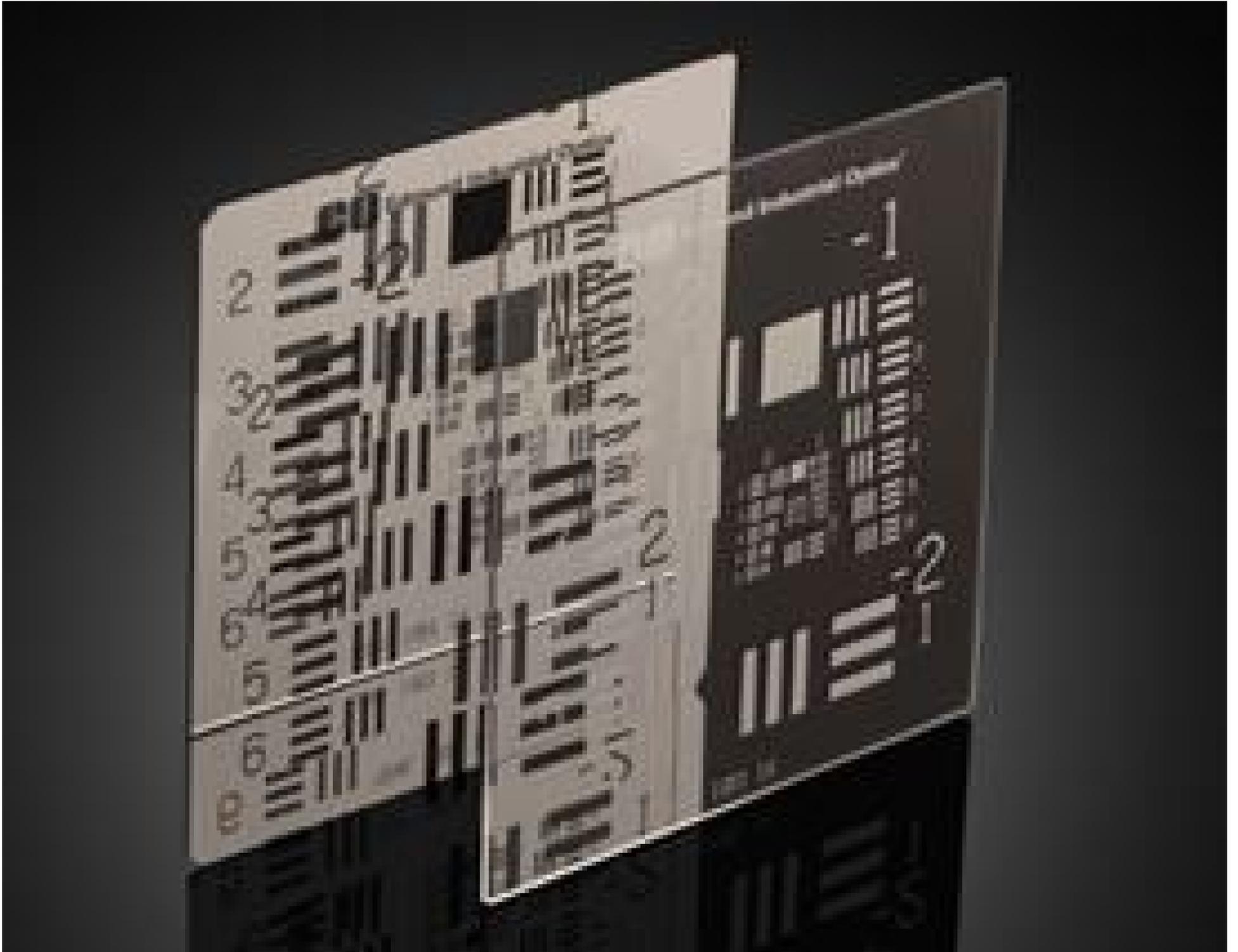


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2" x 2" Negative, USAF 1951 Hi-Resolution Target



UV Fused Silica and Fluorescent USAF 1951 Resolution Targets

Stock #59-153 **1 In Stock**

⊖ 1 ⊕ ₹1,17,000

ADD TO CART

Volume Pricing

Qty 1-4	₹1,17,000 each
Qty 5+	₹1,11,195 each
Need More?	Request Quote

Product Downloads

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	
Country of Origin: United States	
Imported By: Edmund Optics India Private Limited	

Product Details

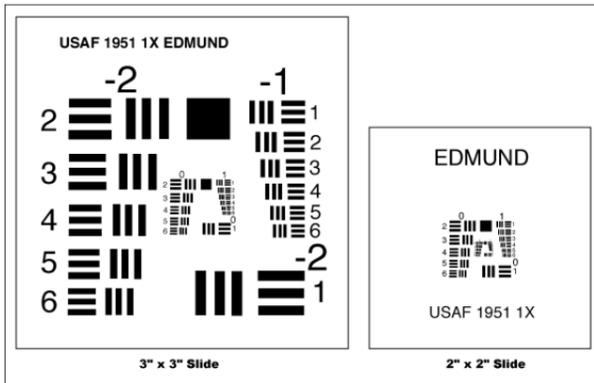
- Designed for Calibration of UV or Fluorescence Microscopes
- Fluorescent Targets have 365nm Excitation Wavelength, 550nm Emission Wavelength
- Negative and Positive Targets Available

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	—