

[All Products](#) / [Optics](#) / [Optical Mirrors](#) / [Flat Mirrors](#) / [Laser Mirrors](#)

TECHSPEC® Superpolished Substrates



- Superpolished on Both Surfaces with $\leq 1\text{\AA}$ RMS Surface Roughness
- Low Scatter Surfaces Ideal for UV or High Power Laser Applications
- UV Fused Silica Substrates with Polished Bevels and Edges
- [In-House Manufacturing](#) Enables Custom Sizes and Shapes from 6 to 76.2mm and Surface Roughness $< 0.5\text{\AA}$

Common Specifications

Physical & Mechanical Properties

Clear Aperture (%):	90	Parallelism (arcsec):	<30
Surface Roughness (\AA):	≤ 1 RMS as measured using an optical profiler using a 20x objective at a spatial frequency bandwidth of 9 to 250 cycles per mm		

Optical Properties

Coating:	Uncoated		
Substrate:	Fused Silica (Corning 7980)	Surface Flatness (P-V):	$\lambda/10$
Surface Quality:	10-5		

Technical Information

Products

Coating	Substrate	Dia. (mm)	Thickness (mm)	Stock Number	Price	Buy
Uncoated	Fused Silica	6.35	3.18	#11-553	€155,00 €310,00 Volume Pricing	20+ In Stock
Uncoated	Fused Silica	12.70	6.35	#11-554	€172,53 €345,05 Volume Pricing	20+ In Stock
Uncoated	Fused Silica	25.40	6.35	#11-555	€458,35 Volume Pricing	20+ In Stock
Uncoated	Fused Silica	50.80	9.53	#11-556	€690,10 Volume Pricing	20+ In Stock



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com