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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	4.00	#11-553	₹22,739 Qty 11+ ₹20,171	10 to 12 days
Uncoated	Fused Silica	12.70	6.35	#11-554	₹26,080 Qty 11+ ₹22,966	10 to 12 days
Uncoated	Fused Silica	25.40	6.35	#11-555	₹34,643 Qty 11+ ₹30,751	10 to 12 days
Uncoated	Fused Silica	50.80	9.53	#11-556	₹52,160 Qty 11+ ₹46,321	10 to 12 days



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