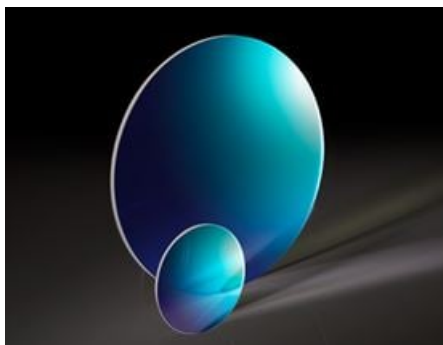


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TECHSPEC® Thin Fused Silica Laser Windows


- Thin 1mm Thickness
- UV or IR Fused Silica Substrates
- Low Loss Broadband IBS Anti-Reflection Coating

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Clear Aperture (%):	90
Thickness (mm):	1.00 ±0.10	Edges:	Fine Ground
Knoop Hardness (kg/mm²):	522	Parallelism (arcsec):	≤30
Poisson's Ratio:	0.16	Young's Modulus (GPa):	73

Optical Properties

Abbe Number (v_d):	67.8	Index of Refraction (n_d):	1.458
Surface Quality:	20-10	Transmitted Wavefront, P-V:	λ/6

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	Density (g/cm³):	2.20
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Technical Information

Products

Dia. (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
12.70	1.00	BBAR (370-550nm)	#11-746	€132,00 Qty 6+ €119,00	3-4 days
25.40	1.00	BBAR (370-550nm)	#11-747	€186,00 Qty 6+ €168,00	In Stock
50.80	1.00	BBAR (370-550nm)	#11-748	€290,00 Qty 6+ €261,00	3-4 days
12.70	1.00	BBAR (700-900nm)	#11-743	€132,00 Qty 6+ €119,00	3-4 days
25.40	1.00	BBAR (700-900nm)	#11-744	€186,00 Qty 6+ €168,00	3-4 days
50.80	1.00	BBAR (700-900nm)	#11-745	€290,00 Qty 6+ €261,00	In Stock
12.70	1.00	BBAR (950-1150nm)	#11-740	€132,00 Qty 6+ €119,00	In Stock
25.40	1.00	BBAR (950-1150nm)	#11-741	€186,00 Qty 6+ €168,00	3-4 days
50.80	1.00	BBAR (950-1150nm)	#11-742	€290,00 Qty 6+ €261,00	3-4 days
12.70	1.00	BBAR (1900-2200nm)	#11-737	€140,00 Qty 6+ €126,00	3-4 days
25.40	1.00	BBAR (1900-2200nm)	#11-738	€199,00 Qty 6+ €179,00	In Stock
50.80	1.00	BBAR (1900-2200nm)	#11-739	€303,00 Qty 6+ €272,00	3-4 days
12.70	1.00	Uncoated	#11-749	€98,00 Qty 6+ €88,00	Contact Us
25.40	1.00	Uncoated	#11-750	€116,00 Qty 6+ €105,00	3-4 days
50.80	1.00	Uncoated	#11-751	€202,00 Qty 6+ €182,00	In Stock
12.70	1.00	Uncoated	#11-752	€106,00 Qty 6+ €95,00	3-4 days

25.40	1.00	Uncoated	#11-753	€124,00 Qty 6+ €112,00	3-4 days
50.80	1.00	Uncoated	#11-754	€223,00 Qty 6+ €200,00	3-4 days



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