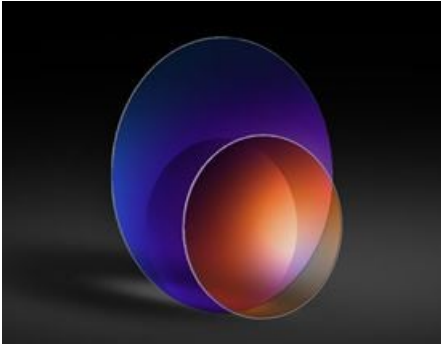


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TECHSPEC® Ultra-Thin Fused Silica Windows

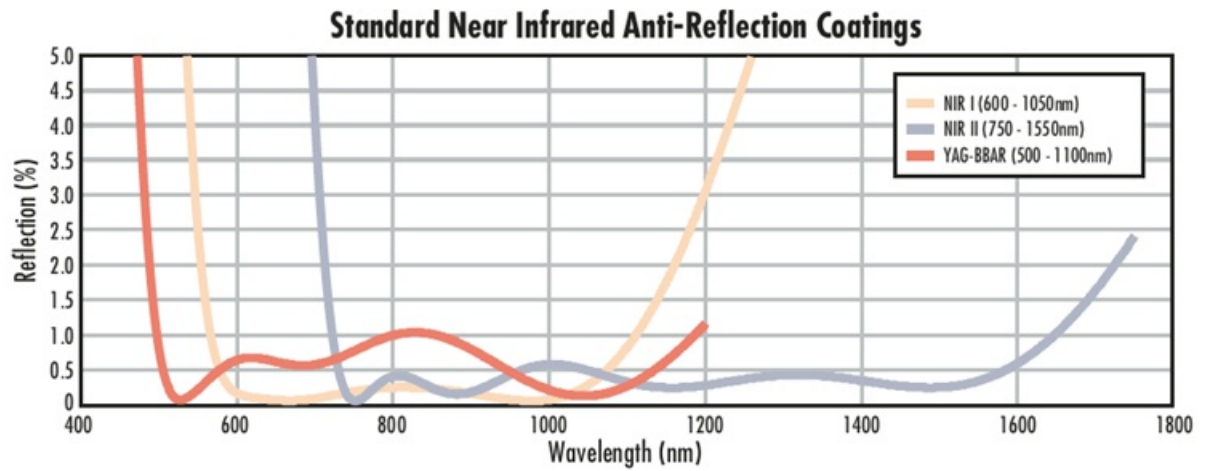
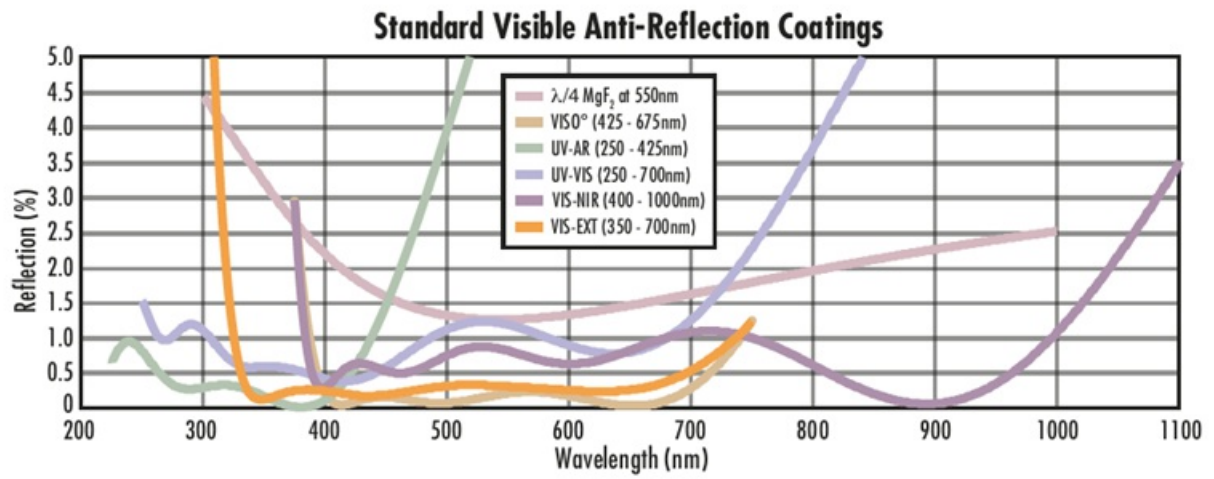


- Ultra-Thin 0.20mm Thickness
- UV Fused Silica Substrates
- Extremely Lightweight

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Thickness (mm):	0.20 ±0.025
Edges:	Fine Ground	Knoop Hardness (kg/mm ²):	522
Parallelism (arcsec):	<1	Poisson's Ratio:	0.16
Young's Modulus (GPa):	73		
Optical Properties			
Abbe Number (v _d):	64.17		
Index of Refraction (n _d):	1.458	Surface Quality:	60-40
Transmitted Wavefront, P-V:	λ/2		
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/cm ³):	2.20		

Technical Information



Products

Dia. (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	0.20	Uncoated	#24-224	€130,00 Qty 6+ €104,00	3-4 days
5.00	0.20	UV-VIS (250-700nm)	#24-232	€151,00 Qty 6+ €121,00	3-4 days
5.00	0.20	VIS-NIR (400-1000nm)	#24-241	€151,00 Qty 6+ €121,00	3-4 days
10.00	0.20	Uncoated	#24-225	€130,00 Qty 6+ €104,00	3-4 days
10.00	0.20	UV-VIS (250-700nm)	#24-233	€151,00 Qty 6+ €121,00	3-4 days
10.00	0.20	VIS-NIR (400-1000nm)	#24-242	€151,00 Qty 6+ €121,00	3-4 days
12.50	0.20	Uncoated	#24-226	€130,00 Qty 6+ €104,00	3-4 days
12.50	0.20	UV-VIS (250-700nm)	#24-234	€151,00 Qty 6+ €121,00	3-4 days
12.50	0.20	VIS-NIR (400-1000nm)	#24-243	€151,00 Qty 6+ €121,00	3-4 days
20.00	0.20	Uncoated	#24-227	€151,00 Qty 6+ €121,00	3-4 days
20.00	0.20	UV-VIS (250-700nm)	#24-235	€172,00 Qty 6+ €137,00	3-4 days
20.00	0.20	VIS-NIR (400-1000nm)	#24-244	€172,00 Qty 6+ €137,00	3-4 days
25.00	0.20	Uncoated	#24-228	€172,00 Qty 6+ €137,00	3-4 days
25.00	0.20	UV-VIS (250-700nm)	#24-237	€192,00 Qty 6+ €154,00	3-4 days
25.00	0.20	VIS-NIR (400-1000nm)	#24-245	€192,00 Qty 6+ €154,00	3-4 days



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