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TECHSPEC® IBS Laser Line Windows



- IBS Coated for Minimal Absorption and Scatter
- <0.1% Reflectivity at Nd:YAG Laser Lines
- Certified Laser Damage Thresholds at Design Wavelength

Common Specifications

Physical & Mechanical Properties			
Clear Aperture CA (mm):	22.86	Diameter (mm):	25.40 +0.00/-0.10
Thickness (mm):	6.35 ±0.20	Parallelism (arcmin):	<3
Bevel:	Protective as needed	Clear Aperture (%):	90
Edges:	Fine Ground	Poisson's Ratio:	0.16
Young's Modulus (GPa):	73	Knoop Hardness (kg/mm ²):	522.00
Optical Properties			
Angle of Incidence (°):	0	Substrate:	Fused Silica (Corning 7980)
Index of Refraction (n _d):	1.458	Surface Quality:	10-5
Abbe Number (v _d):	67.8	Surface Flatness (P-V):	λ/10
Material Properties			
Density (g/cm ³):	2.20	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)
Fused Silica Grade:	7980 0F		

Technical Information

Products

Coating	Dia. (mm)	Thickness (mm)	DWL (nm)	Stock Number	Price	Buy
Laser Ultra V-Coat, IBS (355nm)	25.40	6.35	355	#12-969	€145,00 Volume Pricing	20+ In Stock
Laser Ultra V-Coat, IBS (532nm)	25.40	6.35	532	#12-979	€145,00 Volume Pricing	20+ In Stock
Laser Ultra V-Coat, IBS (1064nm)	25.40	6.35	1064	#12-989	€145,00 Volume Pricing	5 In Stock



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