

TECHSPEC® 12.7mm Dia., 1mm Thick, Uncoated, Sapphire Window



Stock **#17-223** ☐ In Stock

- 1 + **£41.23**

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Qty 1-24
£41.23
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ⓘ Prices shown are exclusive of VAT/local taxes

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Abbe Number (v_d):
72.24

Axis Orientation:
Random

Bevel:
Protective as needed

Birefringence (n_o-n_e): 0.008 for Visible Light Orthogonal to Optical Axis
Clear Aperture (%): ≥90
Diameter (mm): 12.70 ±0.05
Thickness (mm): 1.00 ±0.05
Coating: Uncoated
Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$): 8.8
Density (g/cm^3): 3.97
Edges: Fine Ground
Index of Refraction n_d: 1.77
Knoop Hardness (kg/mm^2): 1900
Parallelism (arcmin): ≤3.5
Poisson's Ratio: 0.27
Substrate: Sapphire (Al_2O_3)
Surface Flatness (P-V): 2λ (typical)
Surface Quality: 80-50
Type: Protective Window
Wavelength Range (nm): 330 - 5500
Young's Modulus (GPa): 435

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 240: Compliant