

A 3D rendering of a sphere with a white band around its center, set against a dark background. The sphere is illuminated from the left, creating a bright white band and a dark purple shadow on the right side. The background is dark and slightly blurred, suggesting a reflective surface.

1

+

£105.83

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£84.58

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Abbe Number (v_d):
64.17

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm): 45.72
Diameter (mm): 50.80 +0.0/-0.25
Thickness (mm): 4.00 ±0.20
Coating: VIS-EXT (350-700nm)
Coating Specification: R _{avg} <0.5% @ 350 - 700nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 7.1 (-30 to +70°C) 8.3 (+20 to +300°C)
Density (g/cm³): 2.51
Edges: Fine Ground
Index of Refraction n_d: 1.516
Knoop Hardness (kg/mm²): 610
Parallelism (arcmin): <1
Poisson's Ratio: 0.206
Substrate: N-BK7
Surface Flatness (P-V): λ/4
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 350 - 700
Young's Modulus (GPa): 82
Damage Threshold, By Design: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant