

TECHSPEC® 10mm Dia., 2mm Thick, MgF₂ Coated λ/4 N-BK7 Window



Stock #45-256 In Stock

⊖ 1 ⊕ **£55.67**

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Qty 1-5

£55.67

Qty 6+

£44.63

Volume Pricing

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! Prices shown are exclusive of VAT/local taxes

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Abbe Number (v_d):
64.17

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm):
9.00

Diameter (mm):
10.00 +0.0/-0.25

Thickness (mm):
2.00 ±0.20

Coating:
MgF₂ (400-700nm)

Coating Specification:
R_{avg} ≤ 1.75% @ 400 - 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):
400 - 700

Young's Modulus (GPa):
82

Damage Threshold, Reference: □
10 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)