

TECHSPEC®

25.4mm Dia. λ /10 ZERODUR® Uncoated Mirror Substrate



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-

1

+

₹8,174

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General

Mirror Substrate

Type:

Physical & Mechanical Properties

25.40 +0.00/-0.20

Diameter (mm):

6.35 ±0.20

Thickness (mm):

Commercial Polish

Back Surface:

Bevel:

Protective as needed	
90	Clear Aperture (%):
Ground	Edges:
30	Parallelism (arcsec):

Optical Properties

Uncoated	Coating:
$\lambda/10$	Surface Flatness (P-V):
ZERODUR®	Substrate: ☐
20-10	Surface Quality:

Material Properties

0.1	Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):
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Regulatory Compliance

View	Certificate of Conformance:
Vietnam	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Precision ZERODUR® Substrates
- $\lambda/10$ Flatness
- Low Coefficient of Thermal Expansion

TECHSPEC® ZERODUR Mirror Substrates are well suited for applications where temperature fluctuation is a concern. The ZERODUR® substrates have a coefficient of thermal expansion (CTE) of $\pm 0.10 \times 10^{-6}/^{\circ}\text{C}$, which is an order of magnitude lower than most glass types. The low CTE allows these mirrors to have a consistent reflected wavefront, even when exposed to environments with varying temperature or illumination sources with changing intensity. TECHSPEC® ZERODUR Mirror Substrates feature precision polished substrates with $\lambda/10$ flatness and 20-10 surface quality.