

TECHSPEC® 100mm Dia. $\lambda/10$ ZERODUR® Uncoated Mirror Substrate



Stock #71-524 **1 In Stock**

€463.⁰⁰

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Volume Pricing	
Qty 1-5	€463,00 each
Qty 6-25	€370,40 each
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Product Downloads

General

Mirror Substrate **Type:**

Physical & Mechanical Properties

100.00 +0.00/-0.20 **Diameter (mm):**

10.00 ±0.20 **Thickness (mm):**

Commercial Polish **Back Surface:**

Protective as needed **Bevel:**

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 ($10^{-6}/^{\circ}\text{C}$):**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

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.