

**TECHSPEC® 25mm Dia. 4° Nom. Fused Silica Wedge Prism 355nm Laser V-Coat**



TECHSPEC Fused Silica Wedge Prisms

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**Coating:**  
Laser V-Coat (355nm)

**Angle Tolerance (arcsec):**  
15

**Bevel:**  
Protective bevel as needed

**Coating Specification:**  
R<sub>abs</sub> <0.25% @ 355nm

**Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):**

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 0.52                                                                                                 |
| <b>Design Wavelength DWL (nm):</b><br>355                                                            |
| <b>Diameter (mm):</b><br>25.00                                                                       |
| <b>Image Orientation:</b><br>Beam Deviation                                                          |
| <b>Power (diopters):</b><br>6.99                                                                     |
| <b>Ray Deviation @ 355nm (°):</b><br>4.00                                                            |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">Fused Silica</a> (Corning 7980)            |
| <b>Surface Flatness (P-V):</b><br>λ/10                                                               |
| <b>Surface Quality:</b><br>20-10                                                                     |
| <b>Thickness (mm):</b><br>3.00                                                                       |
| <b>Wedge Angle:</b><br>8° 17'39"                                                                     |
| <b>Note:</b><br>Specificy this is S1 & S2 power and irregularity, not the overall power of the wedge |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>7.5 J/cm² @ 355nm, 20ns, 20Hz        |
| <b>Power (fringes) @ 632.8nm:</b><br>0.50                                                            |
| <b>Irregularity (fringes) @ 632.8nm:</b><br>0.20                                                     |

### Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 209:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |