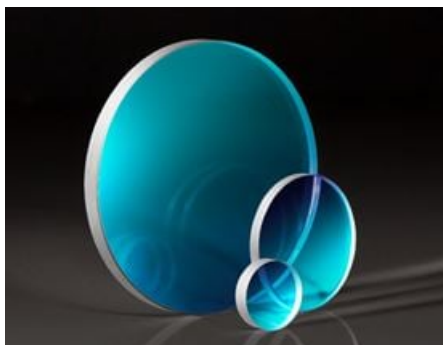


[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [Specialty Windows](#)

## TECHSPEC® Fused Silica Wedged Windows



- UV Fused Silica Substrates with a 30 Arcminute Wedge
- $\lambda/10$  Surface Flatness and 20-10 Surface Quality
- Prevent Laser Instability When Used in Laser Cavities
- [N-BK7 Wedged Windows](#) and [Fused Silica Flat Windows](#) Also Available

### Common Specifications

#### Physical & Mechanical Properties

|                        |                 |        |             |
|------------------------|-----------------|--------|-------------|
| Thickness (mm):        | 3.00 $\pm$ 0.20 | Edges: | Fine Ground |
| Young's Modulus (GPa): | 73              |        |             |

#### Optical Properties

|                                |                                             |                  |       |
|--------------------------------|---------------------------------------------|------------------|-------|
| Index of Refraction ( $n_d$ ): | 1.458                                       |                  |       |
| Substrate:                     | <a href="#">Fused Silica</a> (Corning 7980) | Surface Quality: | 20-10 |

#### Material Properties

|                                                                      |                                                                   |
|----------------------------------------------------------------------|-------------------------------------------------------------------|
| Coefficient of Thermal Expansion CTE ( $10^{-6}/^{\circ}\text{C}$ ): | 0.52 (+5 to +35°C)<br>0.57 (0 to +200°C)<br>0.48 (-100 to +200°C) |
|----------------------------------------------------------------------|-------------------------------------------------------------------|

## Technical Information

## Products

| Dia.<br>(mm) | Thickness<br>(mm) | Coating                 | Substrate                    | Wedge<br>Angle<br>(°) | Stock<br>Number         | Price                                     | Buy          |
|--------------|-------------------|-------------------------|------------------------------|-----------------------|-------------------------|-------------------------------------------|--------------|
| 12.50        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | -                     | <a href="#">#34-241</a> | ₹8,509<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 25.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | 1°                    | <a href="#">#25-667</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 1 In Stock   |
| 25.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | 2°                    | <a href="#">#25-668</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 1 In Stock   |
| 25.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | 3°                    | <a href="#">#25-669</a> | ₹10,342<br><a href="#">Volume Pricing</a> | Contact Us   |
| 25.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | 4°                    | <a href="#">#25-670</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 1 In Stock   |
| 25.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | 5°                    | <a href="#">#25-671</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 3 In Stock   |
| 25.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | 8°                    | <a href="#">#25-672</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 25.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | 10°                   | <a href="#">#25-673</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 1 In Stock   |
| 50.00        | 3.00              | Uncoated                | <a href="#">Fused Silica</a> | -                     | <a href="#">#34-243</a> | ₹17,017<br><a href="#">Volume Pricing</a> | 1 In Stock   |
| 12.50        | 3.00              | UV-VIS<br>(250-700nm)   | <a href="#">Fused Silica</a> | -                     | <a href="#">#17-663</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 12.50        | 3.00              | VIS 0°<br>(425-675nm)   | <a href="#">Fused Silica</a> | -                     | <a href="#">#25-615</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 1 In Stock   |
| 12.50        | 3.00              | NIR I<br>(600-1050nm)   | <a href="#">Fused Silica</a> | -                     | <a href="#">#25-618</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 12.50        | 3.00              | NIR II<br>(750-1550nm)  | <a href="#">Fused Silica</a> | -                     | <a href="#">#25-621</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 12.50        | 3.00              | VIS-NIR<br>(400-1000nm) | <a href="#">Fused Silica</a> | -                     | <a href="#">#17-666</a> | ₹10,342<br><a href="#">Volume Pricing</a> | 7 In Stock   |

|       |      |                         |                              |   |                         |                                           |              |
|-------|------|-------------------------|------------------------------|---|-------------------------|-------------------------------------------|--------------|
| 25.00 | 3.00 | VIS-NIR<br>(400-1000nm) | <a href="#">Fused Silica</a> | - | <a href="#">#17-667</a> | ₹12,249<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 25.00 | 3.00 | VIS 0°<br>(425-675nm)   | <a href="#">Fused Silica</a> | - | <a href="#">#25-616</a> | ₹12,249<br><a href="#">Volume Pricing</a> | 1 In Stock   |
| 25.00 | 3.00 | NIR I<br>(600-1050nm)   | <a href="#">Fused Silica</a> | - | <a href="#">#25-619</a> | ₹12,249<br><a href="#">Volume Pricing</a> | 12 In Stock  |
| 25.00 | 3.00 | NIR II<br>(750-1550nm)  | <a href="#">Fused Silica</a> | - | <a href="#">#25-622</a> | ₹12,249<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 50.00 | 3.00 | UV-VIS<br>(250-700nm)   | <a href="#">Fused Silica</a> | - | <a href="#">#17-665</a> | ₹19,291<br><a href="#">Volume Pricing</a> | 14 In Stock  |
| 50.00 | 3.00 | VIS-NIR<br>(400-1000nm) | <a href="#">Fused Silica</a> | - | <a href="#">#17-668</a> | ₹19,291<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 50.00 | 3.00 | VIS 0°<br>(425-675nm)   | <a href="#">Fused Silica</a> | - | <a href="#">#25-617</a> | ₹19,291<br><a href="#">Volume Pricing</a> | 2 In Stock   |
| 50.00 | 3.00 | NIR I<br>(600-1050nm)   | <a href="#">Fused Silica</a> | - | <a href="#">#25-620</a> | ₹19,291<br><a href="#">Volume Pricing</a> | 6 In Stock   |
| 50.00 | 3.00 | NIR II<br>(750-1550nm)  | <a href="#">Fused Silica</a> | - | <a href="#">#25-623</a> | ₹19,291<br><a href="#">Volume Pricing</a> | 3 In Stock   |



Copyright 2023, Edmund Optics India Private Limited, #267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038

Phone: 1-800-363-1992 :

[www.edmundoptics.com](http://www.edmundoptics.com)