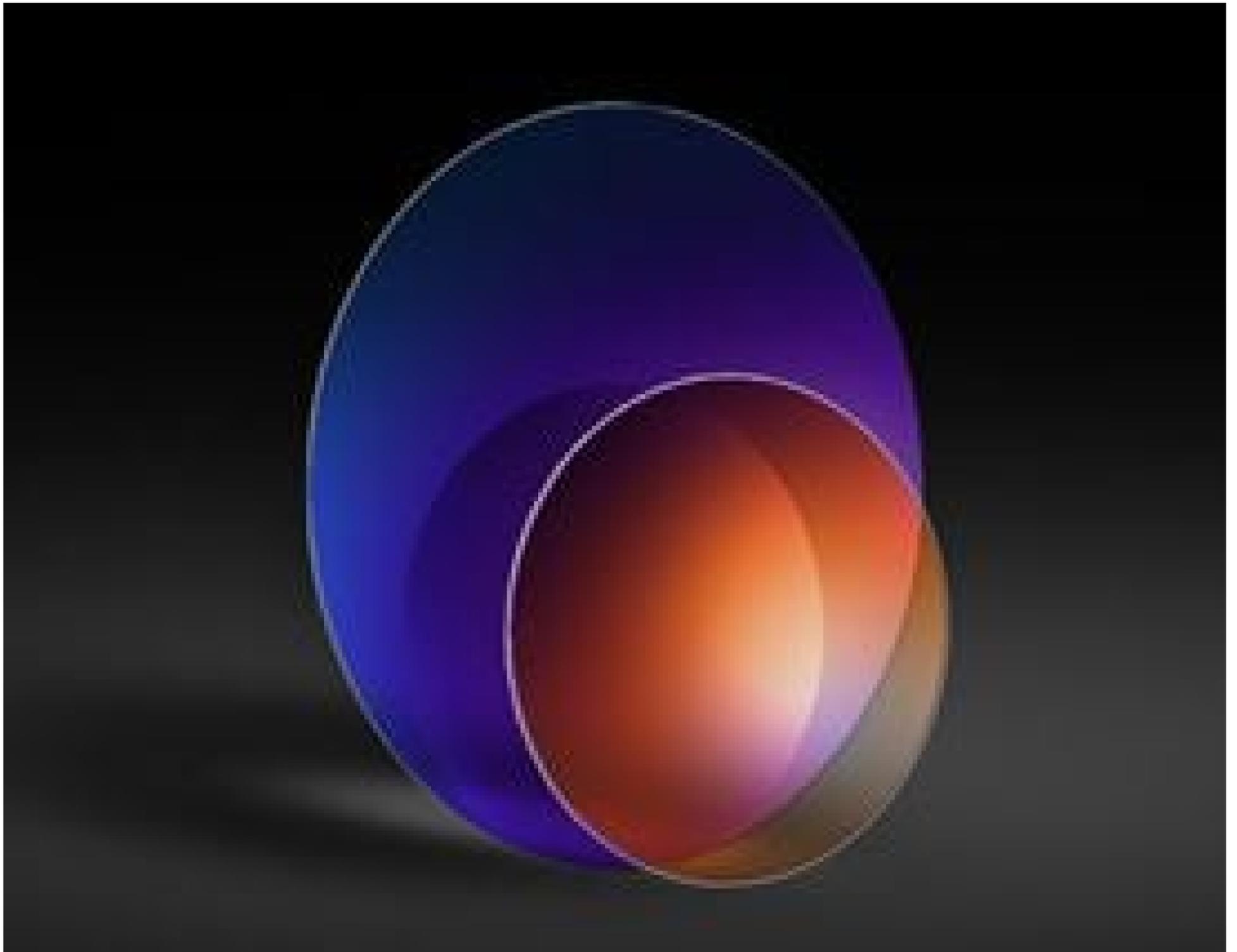


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**TECHSPEC® Fenêtre Ultra-Mince en Silice Fondue, Non Traitée, 20 mm de dia.**



Stock #24-227 **20+ In Stock**

- 1 + €173<sup>.00</sup>

**AJOUTER AU PANIER**

Prix sur Quantité	
Qté 1-5	€173,00 prix unitaire
Qté 6-25	€138,00 prix unitaire
Qté 26-49	€129,00 prix unitaire
Need More?	<a href="#">Demande de Devis</a>

ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

**Caractéristiques du produit**

Protective Window **Type:**

**Propriétés physiques et mécaniques**

Protective as needed **Biseau:**

17.00 **Ouverture Utile CA (mm):**

20.00 +0.00/-0.10	<b>Diamètre (mm):</b>
0.20 ±0.025	<b>Épaisseur (mm):</b>
Fine Ground	<b>Bords:</b>
522.00	<b>Dureté de Knoop (kg/mm<sup>2</sup>):</b>
<1	<b>Parallélisme (arcsec):</b>
0.16	<b>Rapport de Poisson:</b>
73	<b>Module d'Élasticité de Young (GPa):</b>

## Propriétés optiques

64.17	<b>Nombre d'Abbe (v<sub>d</sub>):</b>
Uncoated	<b>Traitement:</b>
1.458	<b>Indice de Réfraction (n<sub>d</sub>):</b>
Fused Silica (Corning 7980)	<b>Substrat:</b>
60-40	<b>Qualité de Surface:</b>
λ/2	<b>Front d'Onde Transmis, P-V:</b>
200 - 2200	<b>Gamme de Longueur d'Onde (nm):</b>

## Propriétés des matériaux

0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	<b>Coefficient d'Expansion Thermique CTE (10<sup>-6</sup>/°C):</b>
2.20	<b>Densité (g/cm<sup>3</sup>):</b>

## Conformité réglementaire

<a href="#">Visionner</a>	<b>Certificate of Conformance:</b>
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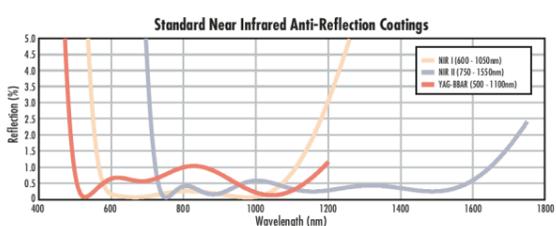
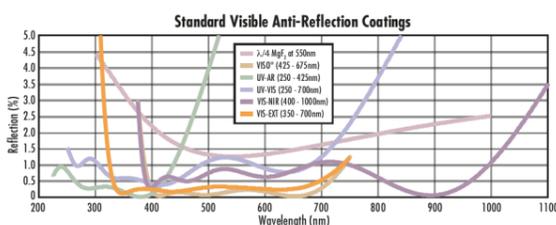
## Description produit

- Épaisseur ultra-fine de 0,20mm
- Substrats de silice fondue UV
- Extrêmement légères

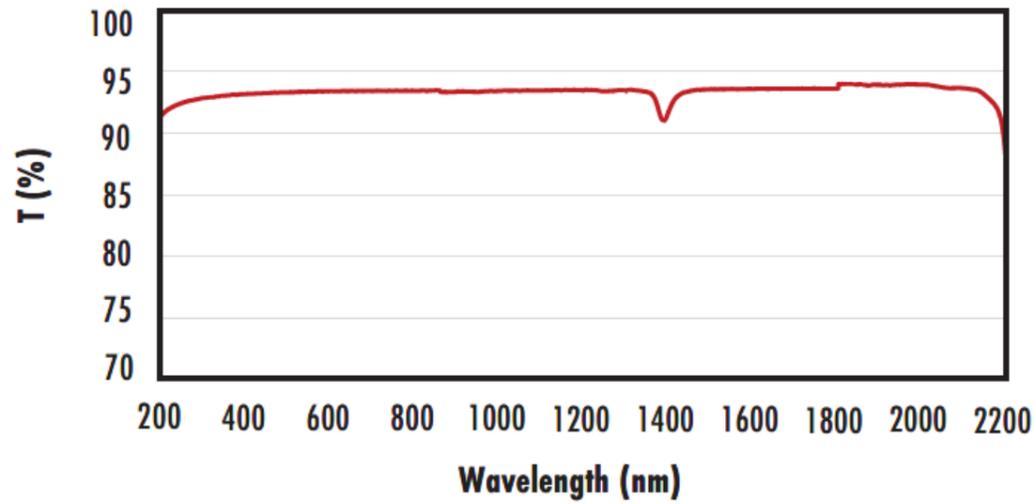
Les Fenêtres Ultra-Minces en Silice Fondue TECHSPEC® offrent les avantages de la silice fondue, notamment une faible dilatation thermique, une excellente résistance aux produits chimiques et une transmission des UV, avec une épaisseur inférieure à 1/5e de celle de nos fenêtres en silice fondue standard. Contrairement aux verres de couverture traditionnels, ces fenêtres ont des surfaces polies pour assurer une distorsion constante du front d'onde transmis, ce qui les rend avantageuses pour les applications OEM. Leurs conceptions extrêmement fines les rendent idéales pour les applications sensibles au poids et à la taille, en particulier celles qui nécessitent une transmission à large bande de l'UV au NIR. Les Fenêtres Ultra-Minces en Silice Fondue TECHSPEC sont idéales pour les appareils médicaux portatifs, la technologie portable et les lampes UV portables.

**Remarque :** Les Fenêtres Ultra-Minces en Silice Fondue TECHSPEC sont très fragiles. Manipulez ces fenêtres avec précaution.

## Informations techniques



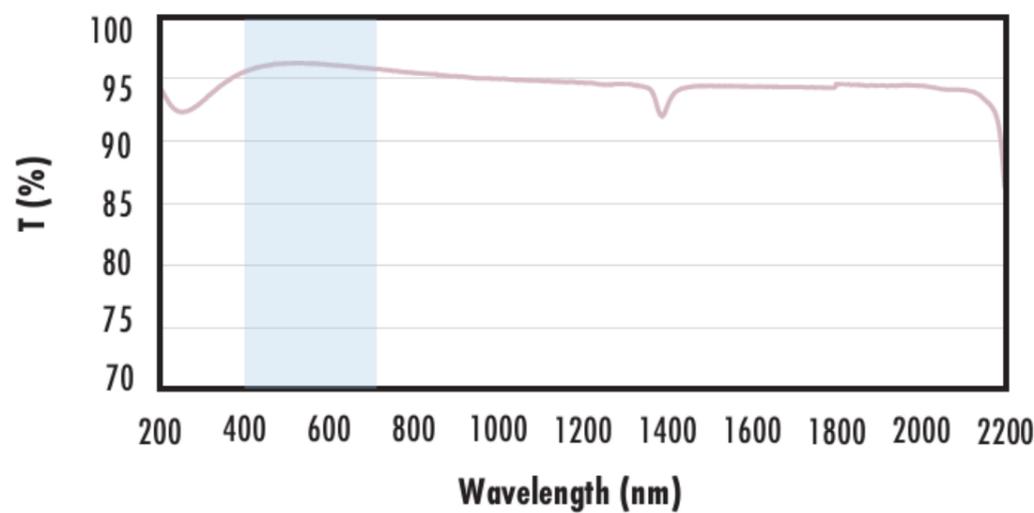
### Uncoated Fused Silica Typical Transmission



Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra.

[Click Here to Download Data](#)

### Fused Silica with MgF<sub>2</sub> Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.

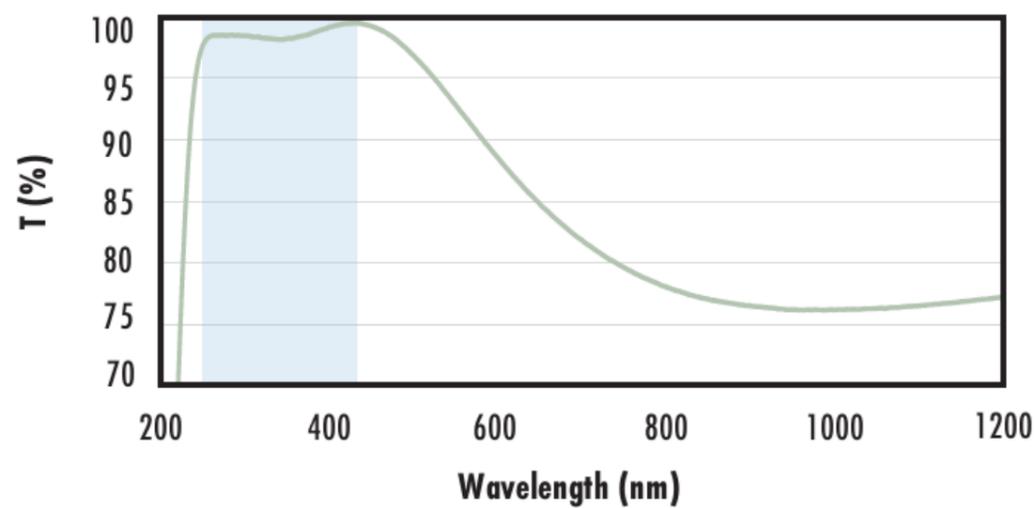
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 1.75\% @ 400 - 700\text{nm (N-BK7)}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with UV-AR Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{abs} \leq 1.0\% @ 250 - 425\text{nm}$$

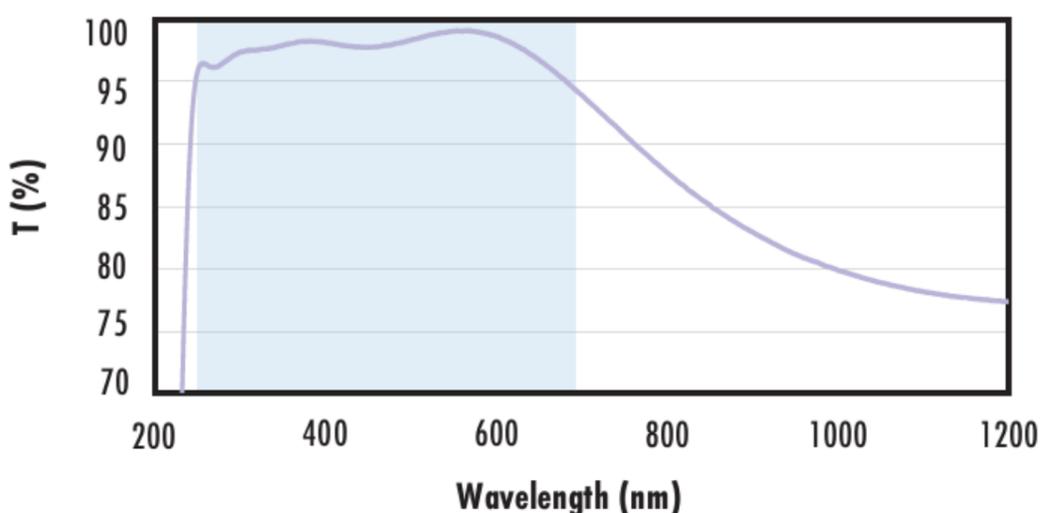
$$R_{avg} \leq 0.75\% @ 250 - 425\text{nm}$$

$$R_{avg} \leq 0.5\% @ 370 - 420\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with UV-VIS Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{abs} \leq 1.0\% @ 350 - 450\text{nm}$$

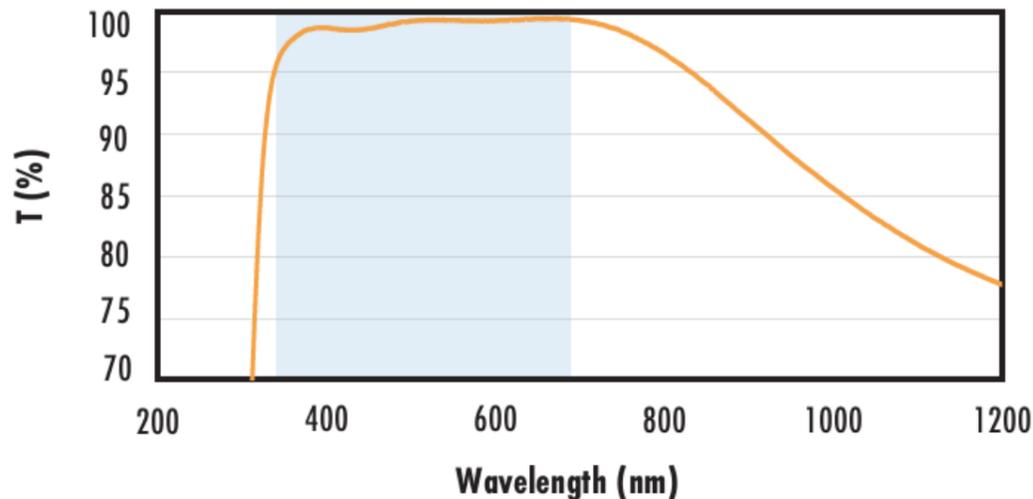
$$R_{avg} \leq 1.5\% @ 250 - 700\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

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### Fused Silica with VIS-EXT Coating

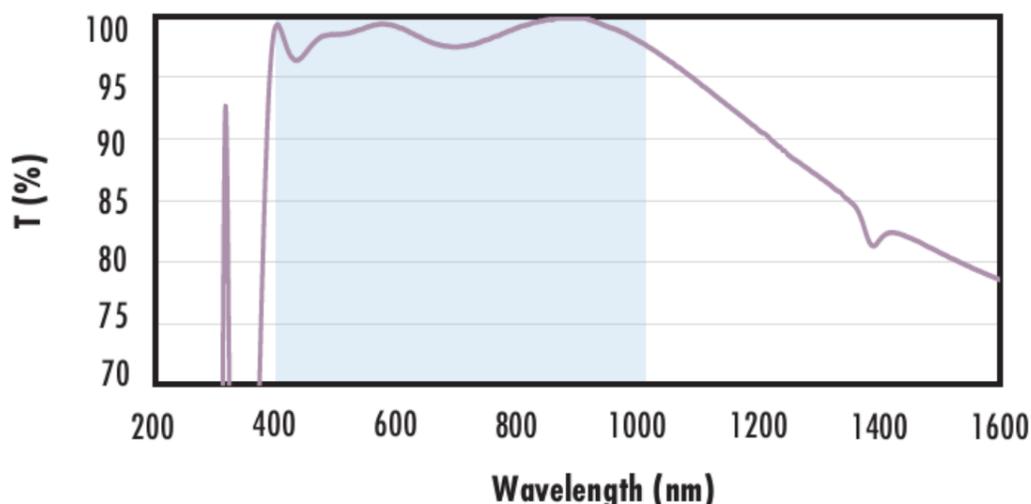
### Typical Transmission



Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.  
 The blue shaded region indicates the coating design wavelength range, with the following specification:  
 $R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$   
 Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with VIS-NIR Coating Typical Transmission

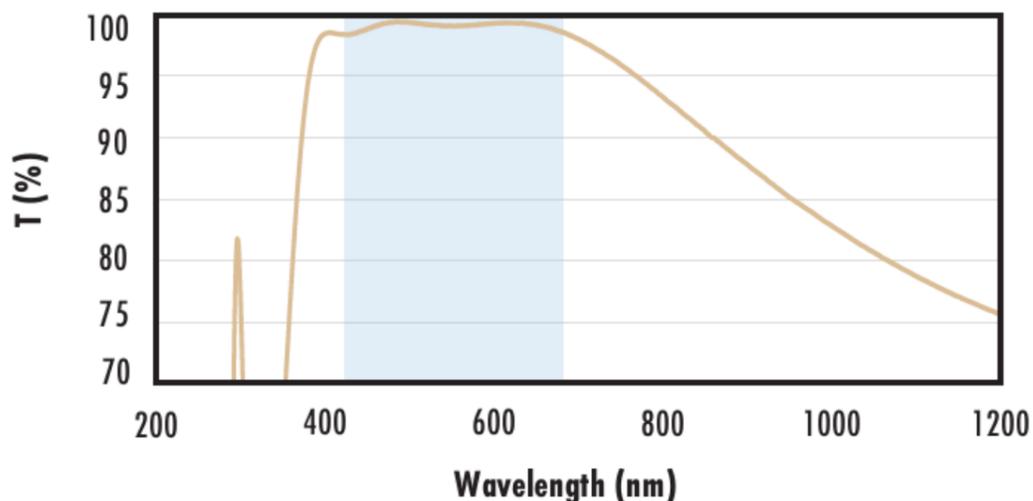


Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.  
 The blue shaded region indicates the coating design wavelength range, with the following specification:  
 $R_{abs} \leq 0.25\% @ 880\text{nm}$   
 $R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$   
 $R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$

Data outside this range is not guaranteed and is for reference only.

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### Fused Silica with VIS 0° Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

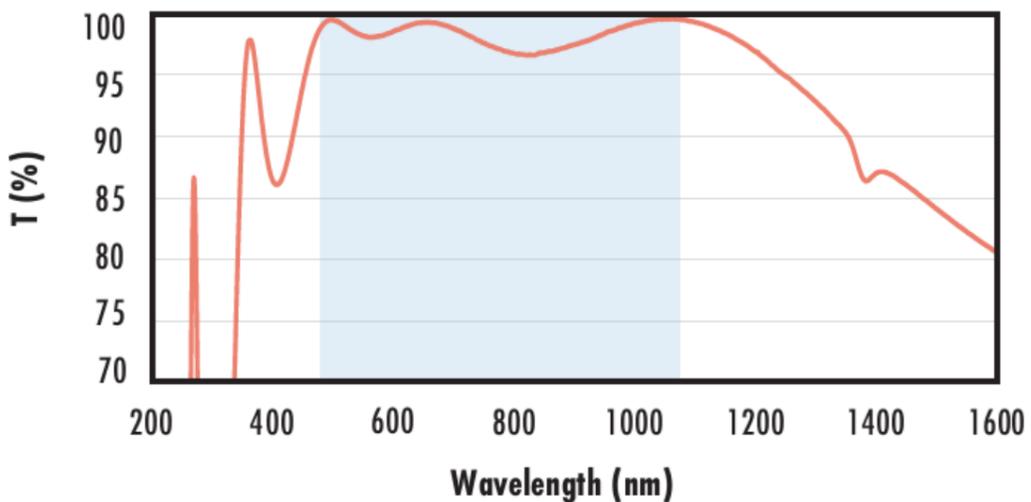
The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 0.4\% @ 425 - 675\text{nm}$

Data outside this range is not guaranteed and is for reference only.

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### Fused Silica with YAG-BBAR Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{abs} \leq 0.25\% @ 532\text{nm}$

$R_{abs} \leq 0.25\% @ 1064\text{nm}$

$R_{avg} \leq 1.0\% @ 500 - 1100\text{nm}$

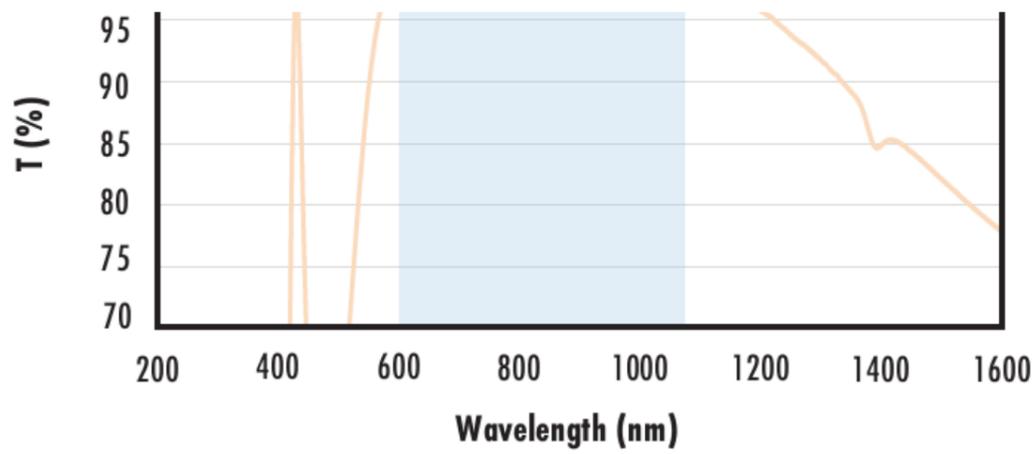
Data outside this range is not guaranteed and is for reference only.

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### Fused Silica with NIR I Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with NIR I coating at 0° AOI.



### Fused Silica with NIR II Coating Typical Transmission

