

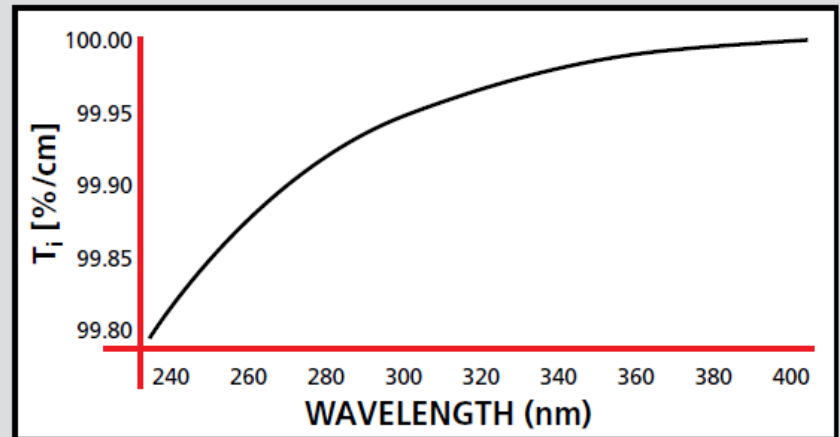
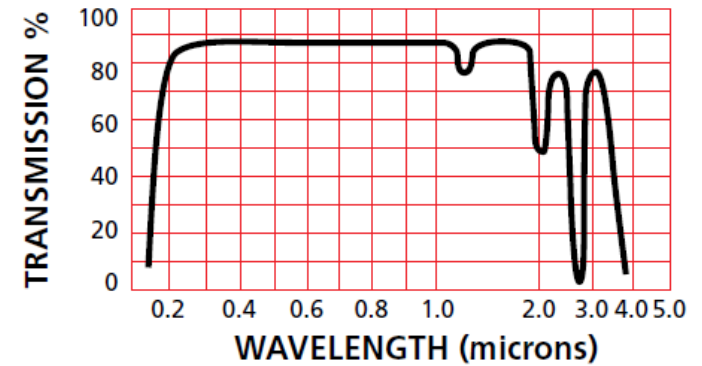
RE-ENTRANT, FUSED SILICA

Leak Rate:	<2x10 ⁻¹⁰ atm cc/sec He
Parallelism:	
UV Grade:	<30 Arc Minutes
DUV Grade:	<10 Arc Seconds
Flange Material:	304/316 Stn. Stl.
Flatness:	DUV: $\lambda/4$ @ 632nm Transmitted Wavefront
Surface Finish:	
UV Grade:	40/20
DUV Grade:	20/10
Thermal Range:	-100°C to 200°C
Material:	Corning HPFS 7980 Fused Silica
Transmission:	
UV Grade:	>90% @ 250nm (external)
DUV Grade:	≥99.8% @ 248nm (internal)
Homogeneity Grade:	
UV Grade:	F
DUV Grade:	A
Inclusion Class:	
UV Grade:	2
DUV Grade:	0

Operating Conditions

The thermal ratings specified are safe operating limits determined by various factors including material properties, mechanical design, and the intended operating environment. Temperature ratings for various mounting options may reduce the operating range of a window assembly. All assemblies have a maximum thermal gradient of 25°C per minute and may be damaged if this limit is exceeded.

FUSED SILICA (DUV GRADE)



vaqtec

vacuum technology & components

Fused silica specifications

Not scale drawing

Sheet 1 of 1

Date: 10/02/2011

Revision: 0.0

Dimensions:

Number:

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