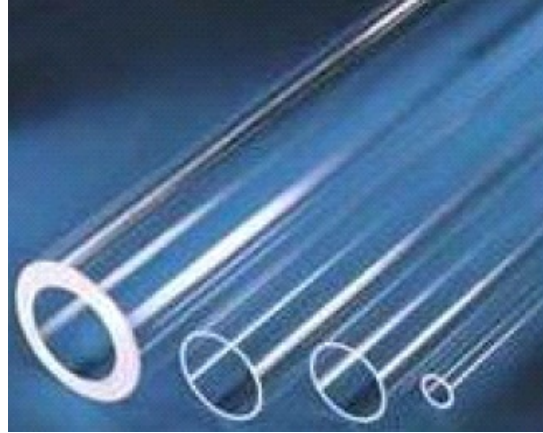


Ozone-Free Fused Quartz Glass Tubing

Ozone-free fused quartz tube can block ray with wavelength < 220 nm, but it is clear and can transmit > 80% UV light at 254 nm. It is good for all kinds of germicidal lamps.



Properties of ozone-free fused quartz glass

Density (g/cm ³)	2.2
Coefficient of thermal expansion (ppm/°C)	0.58
Softening point (°C)	1670
Annealing point (°C)	1210
Strain point (°C)	1110
Young's modulus (MPa)	0.73

Dimension tolerance of Ozone-free fused quartz glass

OD Range (mm)	OD	WT	Siding	Ovality	Bow (mm) for length of 1.2m
≤ 6	±2.0%	±10%	12%	2.00%	2.5
6 - 15	±1.25%	±8%	10%	1.50%	2.5
15 - 20	±1.25%	±10%	15%	1.50%	2.5
20 - 25	±1.25%	±10%	15%	1.50%	3
25 - 30	±1.35%	±12%	15%	1.50%	3
30 - 80	±1.5%	±14%	15%	2.00%	3

Impurities in UV-blocked Fused Quartz glass tubing

Elements	Al	Fe	K	Na	Li	Ca	Mg	Cu	Mn	Pb	B	Cr	OH
Concentration (ppm)	25	1.5	2.5	2.5	0.6	2.3	0.5	0.1	0.5	0.01	0.2	0.1	<10

Spectral transmission of UV-blocked fused quartz glass (Thickness 1mm)

Wavelength (nm)	185	<220	230-280	550	590	780
Transmission (%)	0	0	≥85	≥90	≥92	≥92