

CHEMICAL ELEMENT COMPOSITION(TYPICAL DATA) PPM

	Al	Fe	K	Li	Cu	Na	B	Ca	Mg	P	Ti	OH
C-111	15	0.2	0.6	0.4	0.02	0.8	0.1	0.4	0.05	0.06	1.2	0-30

TRANSPARENT QUARTZ GLASS TUBE PROPERTY

Property	C-111
Density	$2.2 \times 10^3 \text{ kg/m}^3$
Hardness	580 HKN ₁₀₀
Tensile Strength	$4.9 \times 10^7 \text{ Pa(N/m}^2\text{)}$
Compression Strength	$>1.1 \times 10^9 \text{ Pa}$
Coefficient of Thermal Expansion (20-300°C)	$5.5 \times 10^{-7} \text{ cm/cm } ^\circ\text{C}$
Thermal Conductivity (20°C)	1.4W/m °C
Specific Heat	670J/kg °C
Softening Point	1680 °C
Annealing Point	1215 °C

TRANSMISSION CURVE

