

Quartz crucible.

Raw material:

Fused Silica(SiO_2)

Main purpose:

To be the container of Poly Silicon in the process of Silicon ingot casting.
The lifetime is only one time. The operating temperature is no more than 1600°C .

Specification		
Generation	Dimension (LxWxH) mm	Specification
G5	890 x 890 x 480	Normal /High Purity Coating
G5	890 x 890 x 540	Normal /High Purity Coating
G5	900 x 900 x 480	Normal /High Purity Coating
G5.5	900 x 900 x 600	Normal /High Purity Coating
G6	1045 x 1045 x 540	Normal /High Purity Coating

Specification	Value
Highest Operation Temperature ($^\circ\text{C}$)	1650
Bulk Density (g/cm^3)	≥ 1.78
Apparent Porosity (%)	≤ 15
Room Temperature Compressive Strength (MPa)	≥ 50
Room Temperature Flexural Strength (MPa)	≥ 20
Thermal Conductivity ($\text{W}/\text{m} \cdot \text{k}$)(RT~ 1100°C)	0.60~1.70
Thermal Expansion Coefficient ($^\circ\text{C}^{-1}$)(RT~ 1100°C)	$\leq 0.9 \times 10^{-8}$
Crystallinity (Vol %)	≤ 1