

Lightweight silica brick



- SiO₂ 91%
- Bulk density ≤ 1.2 g/cm³
- Cold crushing strength ≥ 2.0MPa
- Initial load - softening temperature ≥ 1600°C

Application:

Lightweight, good heat insulation, stable at high temperatures, resistant to acidic slag and gases. Used in insulation layers of glass melting furnaces, annealing kilns, metallurgical reheating furnaces, and ceramic kilns.

Technical Data:

Index Items	QGZ - 0.8	QGZ - 1.0	QGZ - 1.2
SiO ₂ Content (%)	91	91	91
Al ₂ O ₃ Content (%)	≤ 1.0	≤ 1.0	≤ 1.0
Fe ₂ O ₃ Content (%)	≤ 0.5	≤ 0.5	≤ 0.5
Bulk Density (g/cm ³)	≤ 0.8	≤ 1.0	≤ 1.2
Compressive Strength at Normal Temperature (MPa)	≥ 2.0	≥ 3.0	≥ 4.0
Initial Softening Temperature under Load (°C)	≥ 1600	≥ 1620	≥ 1640
Thermal Conductivity (W/(m·K), 350 ± 25 °C)	≤ 0.26	≤ 0.30	≤ 0.35