

Rongsheng Zirconium Silicate Physical and Chemical Index Tables

1. Physical properties of Zirconium Silicate

Specific Gravity	4.69
Melting Point	2500°C
Refractive Index	1.97
Mohs Hardness	7.5
Thermal Expansion Coefficient	4.2×10^{-6}
Appearance	White or off white powder

2. Chemical properties of Zirconium Silicate

Item	RS65	RS64.5	RS63.5
ZrO ₂ +HfO ₂	65.0 min	64.5 min	63.5 min
Fe ₂ O ₃	0.06 max	0.08 max	0.12 max
TiO ₂	0.10 max	0.12 max	0.18 max

3. Technique Data of UHP Graphite Electrode

Type	Average mesh	Application
RS-1.0	D50≤1.0um	✓ High-grade sanitary porcelain ✓ High-grade daily-use porcelain ✓ High-grade crystal brick
RS-1.2	D50≤1.2um	
RS-1.5	D50≤1.5um	
RS-2.0	D50≤2.0um	✓ Middle and low class sanitation porcelain, ✓ external and internal brick, ✓ archaized brick, engobe, body, etc.