



PRODUCT INFORMATION

Opacifier STD A

High-performance, high-quality, opacifier for glaze

- Opacifier STD A is a low trace metals, high-performance opacifier used in the manufacture of ceramic.
- Lower opacifier usage than traditional opacifier manufacture process.

Characteristics

Formula	ZrO ₂ ·SiO ₂
Molecular Weight	183.26
Appearance	White powder
Odor	no characteristic odor
Solubility In Water	Insoluble
Specific Gravity	4.68 g/ml
Stability	chemically stable under normal and anticipated storage and handling conditions
CAS No.	14940-68-2

Typical Analysis Data

Zirconium Oxide(ZrO ₂)	64.5
Silicon Oxide(SiO ₂)	33.5
Ferric Oxide(Fe ₂ O ₃)	0.07
Titanium Oxide(TiO ₂)	0.14
Color of Glaze	ΔE≤0.40
Average Particle Size((μm)	0.90 ~ 1.35
pH Value	5 ~ 8
Retain On Sieve (400 mesh)	Pass
Ra-226 Radioactivity (Bq/kg)	<3200
Th-232 Radioactivity (Bq/kg)	<650
IRa	<16.0
Ir	<11.1

Packaging

Opacifier STD A is provided in 25.0±0.1 kg/bag