

KaoSil - 92

High Gloss Calcined Kaolin



ORIGIN: India

MINERALOGICAL COMPOSITION

Kaolinite quartz

SALIENT FEATURES

- Excellent Opacity
- Suspension Agent
- Viscosity Enhancer
- Anti-Caking Agent
- Scrub Resistance
- Enamel Holdout

CHEMICAL ANALYSIS

	TYPICAL
Al ₂ O ₃ +SiO ₂	: >96 ± 2%
TiO ₂ +Fe ₂ O ₃	: <1.5%
Alkaline Impurities	: <0.5%
Loss on Ignition	: <1%
Application	: Ceramic, Paper, Paint, Pigments, Printing Ink, Rubber etc.
Packaging	: Powder 25 kg HDPE Laminated bags

PHYSICAL PROPERTIES

Mean particle size (D ₅₀)	: 1.2μ
Residue (> 45 micron)	: 0.02%
Reflectance	: 92% (white in colour)
Brightness (ISO)	: 92 ± 1
Paint drawdown Brightness (ISO)	: 82 - 84
Refractory Index	: 1.62
Yellow Index	: 2.2 to 2.5
Flow Point	: 70 - 85
pH Value	: 5 to 7
Flow Point	: 70 - 85
Bulk Density (gm/ltr)	: 300 to 340
Specific Surface Area BET (M2/gm)	: 11 - 13
Water Absorption	: 75 - 90
Oil absorption of powder (gm/100gm)	: 55 - 65
Mohs hardness	: 2.0 - 2.5
Moisture content	: 0.5%

TYPICAL

Revised on 11.02.2020