

PRODUCTION SPECIFICATION

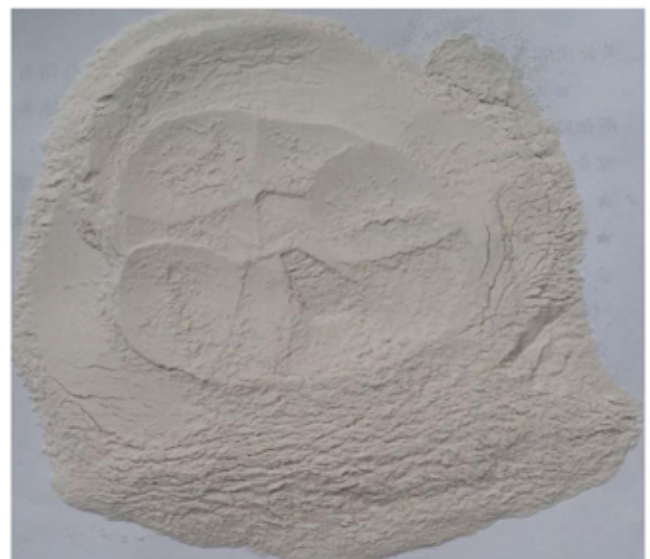
NAME: Silica Powder (Quartz)

DESCRIPTION:

Silica powder or Quartz, is also purified from siliCarenite or sand stone. It is widely used as an inorganic friction raw material filler. Silica powder improves the friction products? wear resistance, as well as the friction coefficient. Silica is a high Mohs scale of hardness filler, it need to be grinded into very small particles, us ually up to 200 mesh or even 325 mesh. Otherwise its hardness will scratch the mating plates and generate great brake noise.

GRANULARITY(SIEVE ANALYSIS, PARTICLE SIZE)

Sievesize(μ m/mm): 0.045-0.106mm
 Mesh: 150-325
 Detection value (%) : 98.5%



APPEARANCE

Shape: Powder
 Color: White

PHYSICAL PROPERTIES

Specific gravity (g/cc) 2.65-2.70
 Oil absorption (%) 22
 Moisture Rate (%) $\leq 0.05\%$
 Hardness(Mohs) 7.0-7.5
 PH 6.5-7.0
 Brightness(90 - 100) 92
 LossofIgnition(LOI,%) 0.18-0.2

CHEMICAL COMPOSITION

Composition	SiO ₂	Fe ₂ O ₃	AL ₂ O ₃	CaO	Cr ₂ O ₃	TiO ₂	MgO
Rate(%wt)	98.3	0.01-0.05	0.1-0.2	0.01-0.03	≤ 0.0005	≤ 0.02	≤ 0.017

PACKAGE

25KG/bag, double sheet paper bags, white or yellow color.

APPLICATION

Silica powder is used for manufacturing Automotive, Commercial Vehicle, Motorcycles, Trailers brake pads and Brake Linings, and Braking Elements Industrial Equipment.