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Metakaolin Clay

NS6130-12-001123

Purity
99.9%
 CAS No.
1332-58-7

Kaolin Clay is the raw material in the manufacture of Metakaoline. Kaolin clay is a white, fine clay mineral that is manufactured from the porcelain. It is a layer of silicate material. In case of Metakaolin, the alteration that is taking place is dehydroxylization, brought on by the application of heat over a defined period of time. At the high temperature of dehydroxylization, kaolinite retains two-dimensional order in the crystal structure and the product is termed Metakaolin.

Metakaolin is white, amorphous, highly reactive aluminium silicate pozzolan forming stable hydrates after mixing with limestone in water and providing mortar with hydraulic properties. Metakaolin is manufactured under carefully controlled conditions to refine its color. It also removes inert impurities, and tailor particle size such, a much high degree of purity and pozzolanic reactivity can be acquired.

Technical Specification:

Molecular Weight	Density
222.1g/mol	2.6g/cm ³

Chemical Composition

Product	Weight Percent (nominal)	
		Other Metal
Metakaolin Clay	99.9%	8000 ppm

Applications:

- ✓ Improving strength of lightweight concrete
- ✓ Increase strength and tackle alkali silicate reactions
- ✓ Cationic dye adsorbents

APS:
40-50nm


 ISO 9001:2015
 CERTIFIED COMPANY

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