

Wollastonite

Product name: Wollastonite (Mineral)

Formula : Calcium Silicate, CaSiO_3

Cas No : 13983-17-0

Applications :

The Ceramic Industry

When sufficient wollastonite is added to ceramic material, the baking temperature can be decreased, and the baking duration greatly shortened to one rapid low temperature bake, thus saving fuel and reducing production costs. At the same time the mechanical properties are improved cracks and streaks on the products are eliminated and quality raised.

The Paint and Coating Industry

When wollastonite is used as a filling or milking agent in paint, a super quality, brightly coloured paint can be obtained. The paint will give a good uniform coating and have mildew-proof and weather-proof properties.

White wollastonite is a good raw material for high quality white and pastel coating. It is easy to apply with a smooth surface. It is also highly weather-resistant.

The Rubber and Plastic Industry

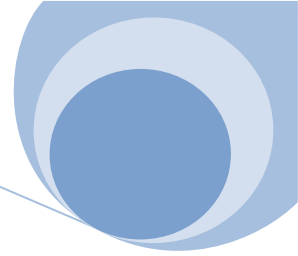
Wollastonite can be used to strengthen the filling agents of rubber and plastic. In thermosetting and thermoplastic molding and casting resin, it has good heat-resistant properties and improves stability. In epoxy resins, it will reduce water absorption and dielectric constant before plasticizing.

Other Uses

Wollastonite is also used as : protective slag in casting silicon-steel, electrode coating; lagging material; ceramic moulds and bonding agent for abrasives; a filling agent in paper making, the trace mineral in the production of white cement and special electric ceramics.



CERAMIC AND GLASS CHEMICALS



Technical Specification:

SiO ₂	%	50.5min
CaO	%	45 min
MgO	%	0.80 max
Al ₂ O ₃	%	0.80 max
Fe ₂ O ₃	%	0.30 max
Na ₂ O	%	0.1
K ₂ O	%	0.1
TiO ₂	%	0.05
S	%	0.02
MnO	%	0.01
P	%	0.01
Fe ₂ O ₃	%	0.01
LOSS ON IGNITION	%	2.50 max

Typical Mineral Composition :

WOLLASTONITE	%	90
QUARTZ	%	2
CALCITE	%	3
OTHER SILICATES	%	5

Mesh: 60/100/200/325/400/1250/3000 mesh 95-98% min passing through.

Whiteness:90-92%



Packing: In plastic woven bag of about 25/50kgs , net 1 mt bag as required