



An ISO 9001:2008 Certified Company

# AKJ MINCHEM PRIVATE LIMITED

**WE EMPOWER YOUR GROWTH**

Inspiring quality & performance for satisfying our customer needs is the #1 and only aim of our management team.



AKJ MINCHEM PVT LTD is a part of nearly 22 years old AKJ Group of companies.

We are engaged in processing & distribution of industrial minerals like **Talc, Calcite, Dolomite, Quartz, Silica, Soda Feldspar, Potash Feldspar, Mica, China Clay, Red Ocher, Pyrophyllite, Barites** etc. and, Specialty chemicals like **Zinc Stearate, Calcium Stearate, Calcium Oxide** and **Zinc Oxide** etc.

We have an inhouse developed processing system with a capacity of processing 12,000 MT of material per annum.

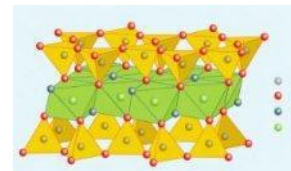
## Advantages to our Clients:

- ✚ Mining Advantages.
- ✚ Processing Advantages.
- ✚ Price Advantages.
- ✚ Quality Assurance with Time Bound Delivery.

## Talc / Soapstone:

Talc is the softest mineral (occupying place 1 in the **Mohs hardness scale**) known on our planet earth. It is lamellar, platy, organophilic, water repellent with special thermal and mechanical properties. It has a high capacity for absorbing organic substances. It is also acid & alkali-resistant, chemically inert and non-toxic. Talc has neither aroma nor taste. This makes it a very essential mineral in our day-to-day life.

Talc is a **hydrated magnesium silicate** [chemical formula is **Mg<sub>3</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>**], also known as Steatite. It is the main component of soapstone. Its crystals usually develop massive, leafy aggregates with laminar particles.



Its silicate layers lie on top of one another without having a chemical bond but are bound to each other by weak Vander Waals forces. This structure gives talc the platy appearance and its characteristic greasy or soapy feeling – hence the name "soapstone".

### Chemical Composition :

MgO	: 28 - 32.5%
SiO <sub>2</sub>	: 64.0 - 66.0%
Fe <sub>2</sub> O <sub>3</sub>	: 00.5%
CaO	: 1.5 - 2.5%
Al <sub>2</sub> O <sub>3</sub>	: 00.6%

## Our Standard Talc Grades :-

PARTICULARS	AMPL-T1	AMPL-T2	AMPL-T3	AMPL-T4	AMPL-T5	AMPL-T6	AMPL-T7	AMPL-T8
Talc Grades / Model no.	TALCO99	TALCO96	TALCO92	TALCO90	AT-95C500	AT-92C500	AT-90C500	AT-88C500
Product Name	SUPER TALC (low calcium)	SNOW TALC (low calcium)	STD TALC (low calcium)	ECO TALC (low calcium)	Talc Powder for Paints & Rubber	Talc powder Filler & Extender	Standard Quality Talc Powder	Industrial Talc Powder
Whiteness (%)	98±1	96±1	94±1	92±1	95±1	92±1	90±1	88±1
Moisture (%)	> 0.5%	> 0.5%	> 0.5%	> 0.5%	> 0.5%	> 0.5%	> 0.5%	> 0.5%
pH	8 to 10	8 to 10	8 to 10	8 to 10	8 to 10	8 to 10	8 to 10	8 to 10
Oil Absorption	36 to 38	36 to 38	36 to 38	36 to 38	40 to 42	38 to 40	39 to 40	38 to 40
Particle Size (Microns)	15 - 25 Microns	15 - 25 Microns	15 - 25 Microns	15 - 25 Microns	15 - 25 Microns	15 - 25 Microns	15 - 25 Microns	15 - 25 Microns
Top cut (Micron)	40micron	40 micron	50 micron	50 micron	50 micron	50 micron	50 micron	50 micron
SiO2	64% -66%	64% - 66%	64% - 66%	64% - 66%	56% -60%	56% -60%	55% -58%	55% - 58%
MgO	29% -32%	29% - 32%	29% - 32%	29% - 32%	25% -30%	25% -30%	25% -30%	25% - 30%
CaO	> 1%	> 1%	> 1.5%	> 1.5%	10% -15%	10% -15%	10% -20%	10% - 20%
Fe2O3	> 1%	> 1%	> 1%	> 1%	> 3%	> 3%	> 3%	> 3%
LOI	7% - 10%	7% - 10%	7% - 10%	7% - 10%	7% - 10%	7% - 10%	7% - 10%	7% - 10%
Applications	Automotive Plastic products; masterbatches; Cosmetics; Pharmaceuticals industry	Plastic products; ; Cosmetic grade for high finishing and gloss.; Pharmaceuticals industry	Paints & Coatings; Plastic products ;Automotive Pharmaceuticals industry	Rubber, paints & Coatings; Plastic products; ; Cosmetics; Filler	Industrial paints; Primers; PVC and other plastic products; Rubber industry	As a filler in all kinds of paints, Rubber & cosmetics industry	As a filler & extruder in all kinds of paints, Rubber & cosmetics industry	As a reinforcement filler in Paints & Rubber industry
* <b>Tailor Made</b> : Apart from the above grades, we do manufacture tailor made <b>Talc</b> based upon clients								
* <b>Packaging</b> : 25/50 kgs pp bag; 1ton/bag; 1*20 fcl can load 24±1 MT or upon clients' requirement.								

GSTIN : 5%  
 Packaging : 50 Kg HDPE Bag/ 1 MT Jumbo Bags.  
 Freight : Extra  
 Offer Validity : 15 Days  
 Payment : Advance & L/C.

## Talc Applications:

1. **Talc in Paper:** Gives smoothness, brightness to paper & partially replaces TiO<sub>2</sub>. Also acts as pitch absorber. Talc are used in the pulp, paper and board industry as a **pitch and sticky control agent**, as **runnability aid**, as a **coating pigment** in paper industry, and as a **multifunctional filler**.
2. **Talc in Paints:** Highly recommended for wood finishes, primers, putties, undercoats, architectural finishes, water based coatings. Its lamellar structure helps in better corrosion protection and also improves exterior durability of paints. Talc make ideal **multi-functional pigments**, **fillers** and extenders in water borne, solvent borne and powder-coat based architectural and industrial paints, where they improve mechanical properties, optical properties and production processes.
3. **Talc for Ceramics:** Talc improves resistance to thermal shocks and gives superior electrical properties. It gives greater toughness to speak plugs and switch boards. It also improves dry pressing resistance of ceramic bodies.
4. **Talc for Pharmaceuticals:** Talc is chemically inert, lamellar and has a high surface area. It is the softest mineral on the planet. This makes talc not only excellent processing aids but also improve the quality of the final product and lower costs.
5. **Talc for Plastics:** Talc make excellent **reinforcing fillers** in polypropylene and engineering thermoplastics for automotive parts, domestic appliances, E&E components and food packaging. They are used for **antiblocking** in polyethylene, **restore mechanical properties to recycled plastics** and are ideal nucleating **agents** in biopolymers and semi-crystalline polymers.
6. **Talc in Rubber:** Talc are used in seals, hoses, membranes, cables, stoppers and tires to improve processing, permeability, weathering, electrical properties, fire resistance and mechanical properties such as tear. It also improves the dispersion of reinforcing fillers reducing mixing time.
7. **Talc for Cosmetics:** Super fine talc powder is used in cosmetic for its smooth silky finish. Harnessing talc's natural properties (fragrance carrier, chemically inert, hydrophobic, organophilic, soft, odorless, platyness and soapy feel) to provide superior performance and lower formulation costs.
8. **Talc in Foundries:** Used in mould making and for final finish.



For more information please visit us @ [www.akjminchem.com](http://www.akjminchem.com)

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