



**Vaaidehi Minerals**  
*We Add Value to your Products*

*An ISO 9001 :2008 Certified Company*

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



Vaaidehi Minerals is a part of nearly 10 years old Vaaidehi Group of companies.

We are engaged in processing & distribution of industrial minerals like Talc, Mica, Dolomite, Quartz, Feldspar, Calcite, China Clay, Barites etc. and, Specialty chemicals like Zinc Stearate, Dibasic Lead Stearate, Calcium Stearate, Ca-Zn Stabilizer, Ca-Pb Stearate, PVC Stabilizer and Zinc Oxide etc.

We have an inhouse developed processing system with a capacity of processing 72,000 MT of material per annum.

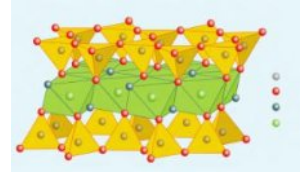
Advantages to our Clients:

- ✚ 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  $Mg_3Si_4O_{10}(OH)_2$ ], also known as Steatite. It is the main component of soapstone. Its crystals usually develop massive, leafy aggregates with laminar particles.



### Our Standard Talc Grades:

Item / Parameter	VM - H1	VM - H2	VM - A1	VM - A2	VM - A3	VM - A4
Talc Grades / Model no.	VT - 98L500	VT - 92L20	VT - 92H500	VT - 90H500	VT - 90M10	VT - 92L500
Whiteness / Brightness (%)	98	92	92	90	90	91-92
Moisture (%)	> 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
Oil Absorption (ml/100g)	36 to 38	36 to 38	40 to 42	40	39 to 40	38 to 40
SiO <sub>2</sub>	64% - 66%	64% - 66%	56% - 60%	56% - 60%	55% - 58%	55% - 58%
MgO	30% - 32%	30% - 32%	29% - 30%	29% - 30%	28% - 30%	28% - 30%
CaO	> 1%	> 1.5%	10% - 11%	10% - 11%	5%	2% - 3%
Fe <sub>2</sub> O <sub>3</sub>	> 1%	> 1%	> 3%	> 3%	2% - 3%	1% - 3%
LOI	7% - 10%	7% - 10%	7% - 9%	7% - 9%	7% - 8%	7% - 8%
Particle Size	500 mesh	20 micron	500 mesh	500 mesh	10 micron	500 mesh
Top cut)	40 micron	40 micron	50 micron	50 micron	40 micron	50 micron
CST/VAT	2% CST against 'C' Form Otherwise 5%					
Delivery	3 To 10 Days					
Packing	50 Kg HDPE Bag					
Freight	Extra					
Offer Validity	5 Days					
Payment	Advance, L/C, T/T					
Insurance	0.0012 * Invoice Value to Your Account					

Note: Apart from the above grades, we do manufacture tailor made talc based upon clients' requirement.

## 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.vaaidehiminerals.com](http://www.vaaidehiminerals.com)

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