



Ashirwad

MINERALS

Where Purity Matters...



Udaipur, Rajasthan, INDIA

www.ashirwadminerals.com

Company Profile

Ashirwad Minerals was established in 1999 with a goal to promote the use of pure talc powder in India. We have been highly successful in achieving this goal and "Ashirwad-Talc" has become a well-known name in all the industries that use talc powder throughout India. Since 2002 we have dedicated ourselves in promoting the use of talc as a filler in Plastic industry. It is a testament of our hard work that our talc grades provide excellent transparency & filler loading of up-to 84% in polymer compounds.



Manufacturing Setup:

- 3 productions units
- Manufacturing capacity of 1500 tons/Month of micronized Talc
- Raw material warehousing capacity of 5500 tons
- Finished good warehousing capacity of 2000 tons



Packaging & Handling:

- Powder packing available in PP bags, Paper bags and Jumbo Bags of varying weights
- Hydraulic lift capability to load Jumbo Packing bags & Pallets on trucks
- Palletization available on plastic & wooden pallets
- Film Wrapping of pallets and bag-stacks available

Quality Assurance:

- In house laboratory with trained staff.
- Outside Independent laboratory hired to cross check quality of finished goods
- Random Quality check & Sample withdrawal for records keeping done at dispatch point

1 Ashirwad Talc

Ashirwad-Talc is highly transparent, lamellar and high on plasticity at both high & low temperatures. Our talc has high Magnesium Oxide content, upto 31.5%, which is the highest purity available in India. We take pride in the fact that Ashirwad Talc can be loaded upto 84% volume in Polymer compounds.

PRODUCT DATA TABLE

Physical Properties

BRIGHTNESS	UPTO 99%
PARTICLE SIZE	500 MESH TO 15 MICRONS
SPECIFIC GRAVITY	2.70
TAPPED DENSITY (gm/cc)	0.38 to 0.5
Mohs Hardness	1.0

Chemical Analysis

Sio ₂	61 to 63%
Mgo	30 to 32%
Al ₂ o ₃	0.8 to 2%
Fe ₂ o ₃	0.85 to 1.5%
Cao	Less than 1%
Loss on Ignition	3 to 4%
PH Value	Between 8 to 9

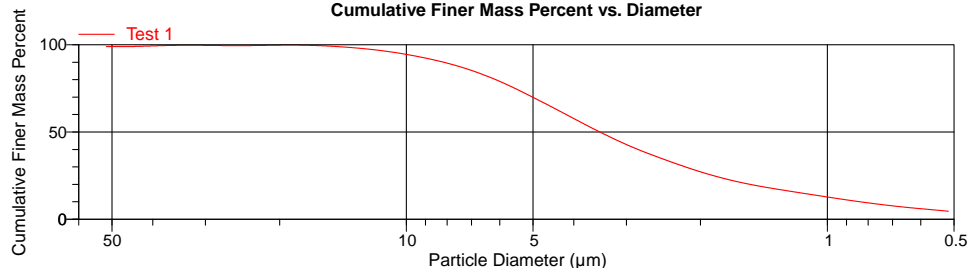


Particle Size Distribution (Sedigraph)

Report by Size Table

Low Diameter (μm)	Cumulative Mass Finer (Percent)	Low Diameter (μm)	Cumulative Mass Finer (Percent)	Low Diameter (μm)	Cumulative Mass Finer (Percent)	Low Diameter (μm)	Cumulative Mass Finer (Percent)
50.00	99.9	15.00	99.1	6.000	79.0	1.000	12.8
45.00	99.8	13.00	98.1	5.000	69.9	0.800	9.4
40.00	99.8	12.00	97.2	4.000	57.7	0.600	6.1
30.00	99.7	10.00	94.5	3.000	42.8	0.500	4.6
25.00	99.5	8.000	89.5	2.000	27.2		
20.00	99.4	7.000	85.3	1.500	19.7		

Cumulative Finer Mass Percent vs. Diameter



Mass Distribution Arithmetic Statistics

Median

3.469

Selected Percentiles

Percent Finer	Diameter (μm)
98.0	12.93
97.0	11.79
90.0	8.159
50.0	3.469
10.0	0.834

Selected Sizes

Diameter (μm)	Percent Finer
15.00	99.1
12.00	97.2
10.00	94.5
8.000	89.5
2.000	27.2

Talc for Filler Masterbatch

Ashirwad-Talc is used in a variety of filler masterbatch applications because it provides excellent **mechanical strength & dimensional stability**.

- **In LLDPE, LDPE, HDPE & PP**, Ashirwad-Talc imparts tensile strength, heat negotiation properties and antiblocking ability. Ashirwad - Talc helps manufacturers in reducing wall thickness of finished products to allow more product throughput & lighter weight products.
- **In Raffia Tapes & Lamination, Transparent Tapes & Films**, Ashirwad-Talc improves heat resistance and dimensional stability for reduced film expansion or shrinkage. Ashirwad-Talc imparts high creep resistance, brightness, transparency, cost effectiveness & high printability on films.
- **In Blow molding & Injection molding**, Ashirwad-Talc provides fantastic stiffness & reduced molding time. Our talc is an ideal nucleating agent and it speeds up PLA crystallization.
- **In Polypropylene based Furniture & Appliances**, Ashirwad-Talc provides anti-weather properties like chemical inertness, barrier properties to control oxygen & water vapour transmission rate, temperature resistance & structural rigidity.
- **In PVC & PVC Leather Cloth**, Ashirwad-Talc acts as a bulking agent that also provides pitch control. Talc helps the sheets in retaining mechanical strength and reduces shrinkage or expansion in heat.



Our Grades for Filler Masterbatch:

AA, Talc A-8, Talc M-2, Talc- 77, Talc - H, Talc - K, Talc K-9, Talc - D, Talc - N.





Talc for Engineered & Automotive Plastic Compounds



Ashirwad Talc provides reinforcement properties in Polypropylene & Engineering Thermoplastics used in automotive parts, domestic appliances, Electrical & Electronics components.

- In **Automotive Dashboards & Interior panels**, Ashirwad-Talc provides shape retention properties, matt-surface and scratch resistance. Most importantly our talc helps in weight reduction on top of improved stiffness in dashboard plastic.
- In **Bumper & Body panels**, Ashirwad-Talc provides rigidity & impact-resistance. Our talc helps in achieving zero-gap designs by helping the plastics to achieve low coefficient of thermal expansion.
- In **Under-the-hood parts**, our talc provides the plastic parts with an ability to operate under high temperatures, it also provides fracture resistance.
- In **E&E components and Wire & Cable** application, Ashirwad-Talc is hydrophobic and electrically stable, further it provide excellent heat & flame resistance.



Our Grades for Filler Masterbatch:

Talc – AT, Talc KG-2, Talc KG-1

2 Calcium Carbonate (Coated/Uncoated)

Ashirwad-Calcium is used in a variety of PVC products and reprocessing applications because it provides excellent **structural linkages & elastic strength**

- In **PVC Sheets, PVC leather cloth, PVC profiles, PVC pipes, PVC reprocessed granules and Plastic Filler Master Batches.**

Our Grades:

Calcium CC-2, CC-10, RC-10, CC-24, CC-33, GW-5, GW-3

PRODUCT DATA TABLE

Physical Properties

BRIGHTNESS	UPTO 98.5%
PARTICLE SIZE	500 MESH TO 3 MICRONS
SPECIFIC GRAVITY	2.78-2.83
TAPPED DENSITY (gm/cc)	0.75 to 1.1
Mohs Hardness	3-4

Chemical Analysis

CaCO ₃	upto 96.5%
SiO ₂	Less than 1%
MgO	1 to 2%
Al ₂ O ₃	Less than 0.25%
Fe ₂ O ₃	Less than 0.1%
Loss on Ignition	43.5 to 44 %
PH Value	9 to 9.8



3 Anti-Moisture Powder

Ashirwad Anti-Mos powder is a unique blend of **highly amorphous desiccants** with best in class, moisture and free oil retention capabilities, to be used:

- In **PVC Pipes, HDPE Pipes, Garden Pipes, Reprocessed granules, Molding furniture, PVC tarpaulin cloth/sheets, Plastic Films and Thermoplastic compounds.**

Use in Polymers & Recycling:

Reclaimed thermoplastics have often been stored in damp conditions and can contain significant amounts of moisture. Oven drying requires capital expenditure, high energy inputs and extra labor costs. These high potential costs can be reduced by using our Anti-Mos powder in the recycling process thus removing moisture from the polymers that can be recycled.

Our Grades:

Anti-Mos Shinepower, Platinum, Gold, Silver & Commercial



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Factory Address:

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