



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.

Quartz:

Quartz is a chemical compound consisting of one part silicon and two parts oxygen. It is the most abundant mineral found at Earth's surface and its unique properties make it one of the most useful natural substances.

Quartz is the second most common mineral in the Earth's continental crust. It is made up of a lattice of silica (SiO₂) tetrahedra.

Its usefulness can be linked to its physical and chemical properties. It is chemically inert in contact with most substances. It has electrical properties and heat resistance that make it valuable in electronic products. Its luster, color and diaphaneity make it useful as a gemstone and also in the making of glass. This makes it a very **essential mineral in our daily life**.

Quartz is used by industry because of its piezoelectric qualities and its amplification properties. It is this specific quality that makes these stones very powerful for metaphysical purposes, and creates strong healing attributes within the stones.

Pure quartz, traditionally called rock crystal or clear quartz, is colorless and transparent or translucent, and has often been used for hardstone carvings, such as the Lothair Crystal. Common colored varieties include citrine, rose quartz, amethyst, smoky quartz, milky quartz, and others.

Many of the stones made from quartz have powerful healing qualities. Their attributes are quite diverse and many have potent vibrations.

Chemical Composition :

SiO ₂	: 99.5%
Fe ₂ O ₃	: 0.01
CaO	: 0.0033
Al ₂ O ₃	: 0.013

Our Standard Quartz Grades:

Item / Parameter	AMPL -Q1	AMPL -Q2	AMPL -Q3	AMPL -Q4	AMPL -Q5	AMPL -Q6	AMPL -Q7	AMPL -Q8
Quartz Grades / Model no.	QUARZO JETO	QUARZO INDIGO	QUARZO STD	QUARZO ECO	QUARZO INDO	QUARZO UDAAN	QUARZITO	QUARZO JETO
Product Name	Premium Quartz powder	Super White Quartz Powder	Snow quartz Powder	Economical quartz powder	Industrial Quartz Powder	High Purity Udaan Dust Quartz	Quarzite Powder	Low Silica Quartz Powder
Color	Super White	White	Super White	White	White	White	White	Semi White
WHITENESS	98%	96%+	92%+	90±1%	87±2%	94±2%	93±2%	80%
SiO2 (%)	99%+	99%+	99%+	99%+	99%+	99%+	97%±1%	80%+
Purity	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	97.0%	80.0%
Al2O3 (%)	0.02	0.02	0.02	0.02	0.2	0.2	0.2	3±1%
Fe2O3 (%)	0.1 max.	0.1 max.	0.1 max.	0.1 max.	0.5 max.	0.5 max.	0.5 max.	3±1%
CaO (%)	0.02	0.02	0.02	0.02	0.2	0.2	0.2	3±1%
MgO (%)	0.01	0.01	0.01	0.01	0.05	0.05	0.05	3±1%
PARTICLE SIZE	500/400 MESH	500/400 MESH	325/200 MESH	325/200 MESH	325/200 MESH	500 MESH	325/200 MESH	325/200 MESH
TOP CUT (MICRONS)	10/15 MICRONS	10/15 MICRONS	10/20 MICRONS	10/20 MICRONS	10/20 MICRONS	10/15 MICRONS	10/20 MICRONS	10/20 MICRONS
Applications	Export Quality; Artificial Marble industry; Glass industry for Glazing, Fibre and paint.	Artificial Marble industry; Glass industry for Glazing, Fibre and paint, Semi Conductor Items	Export Quality; Artificial Marble industry; Glass industry for Glazing, Fibre and paint.	Marble industry; Glaze powder; High quality paints, Ceramic & Glass industry	Sodium silicate manufacturing; Glass industry; Ceramic industry	Marble industry; Glaze powder; High quality paints & Glass industry	Paint industry; Glazing, Construction	Export Quality; Marble industry; Ceramic, Sodium silicate, Construction

* **Tailor Made** : Apart from the above grades, we do manufacture tailor made **Quartz** based upon clients requirement.

* **Packaging** : 25/50 kgs pp bag; 1ton/bag; 1*20 fcl can load 24±1 MT or upon clients' requirement.

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

Quartz Applications:

1. Glass Making: High purity silica sand (Quartz sand) is used in the glassmaking industry. Quartz sand is used in the production of container glass, flat plate glass, specialty glass and fiberglass.

2. Abrasive Material: Quartz is an excellent abrasive material. Quartz sands and finely ground silica sand are used for sand blasting, scouring cleansers, grinding media, and grit for sanding and sawing.

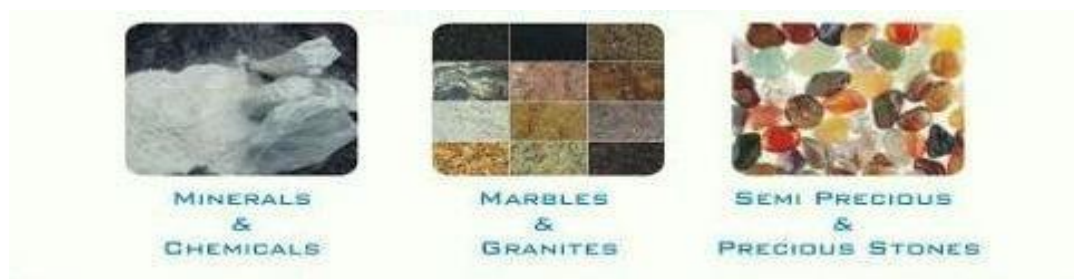
3. Foundry Sand: Quartz is very resistant to both chemicals and heat. With a melting temperature higher than most metals it can be used for the molds and cores of common foundry work. Refractory brick are often made of quartz sand because of its high heat resistance. Quartz sand is also used as a flux in the smelting of metals.

4. Petroleum Industry: Quartz sand has a high resistance to being crushed. In the petroleum industry sand slurries are forced down oil and gas wells under very high pressures in a process known as hydraulic fracturing. This high pressure fractures the reservoir rocks and the sandy slurry injects into the fractures.

The durable sand grains hold the fractures open after the pressure is released. These open fractures facilitate the flow of natural gas into the well bore.

5. Many Other Quartz Uses: Quartz sand is used as filler in the manufacture of rubber, paint and putty. Screened and washed, carefully sized quartz grains are used as filter media and roofing granules.

Quartz sands are used for traction in the railroad and mining industries. These sands are also used in recreation on golf courses, volleyball courts, baseball fields, children's sand boxes and beaches.



For more information please visit us @ www.akjminchem.com

ADDRESS: C/O SHREE BALAJI MARBLES & MINERALS, NH-8, SUKHER, UDAIPUR -313001

Call +91 9509806461 · E-Mail: akjminchem@gmail.com/info@akjminchem.com

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