

Quartz Powder

CAS No.: 14808-60-7

Finely milled high-purity quartz powder with superior whiteness and low iron content. Produced from beneficiated quartzite through precision grinding and classification.

Chemical Composition

Parameter	Typical Value	Specification / Range
SiO ₂ (Silicon Dioxide)	99.50 % min	99.50 – 99.90 %
Fe ₂ O ₃ (Iron Oxide)	0.020 % max	0.010 – 0.020 %
Al ₂ O ₃ (Alumina)	0.15 % max	0.05 – 0.15 %
Whiteness (ISO)	93 % min	93 – 96 %
Moisture	< 0.20 %	< 0.20 %

Physical Properties

Parameter	Typical Value	Specification / Range
Bulk Density	1.45 – 1.55 g/cc	Typical (20–200 mesh)
Specific Gravity	2.65 g/cm ³	Typical
Available Mesh Sizes	100 / 200 / 325	Standard grades
Hardness	7 Mohs	Typical

Applications

- Paints & coatings (functional filler)
- Adhesives & sealants
- Rubber & plastics compounding
- Fiberglass & composites
- Ceramic & tile bodies

Packaging: 50 kg HDPE bags / Jumbo bags

The values shown are typical industry specifications sourced from published technical references. Actual values may vary by source and lot. It is the customer's responsibility to verify suitability for their specific application. This TDS does not constitute a warranty of any kind.