



SAMRIDHI
PETROCHEM

FROM THE **EARTH.**
TO THE **WORLD.**

QUARTZ POWDER

EXTREME HARDNESS. CHEMICAL INERTNESS.



MESH SIZES



CHEMICAL
INERTNESS



HIGH PURITY &
FINE PARTICLE



THERMAL
STABILITY

Quartz powder is produced by finely grinding high-purity natural quartz with a typical SiO_2 content of 98.5% or higher. It is chemically inert, hard (Mohs 7), and highly thermally stable.

APPLICATIONS:



GLASS MANUFACTURING



CONSTRUCTION



METAL CASTING



WATER FILTRATION



ABRASIVE



PAINTS & COATINGS



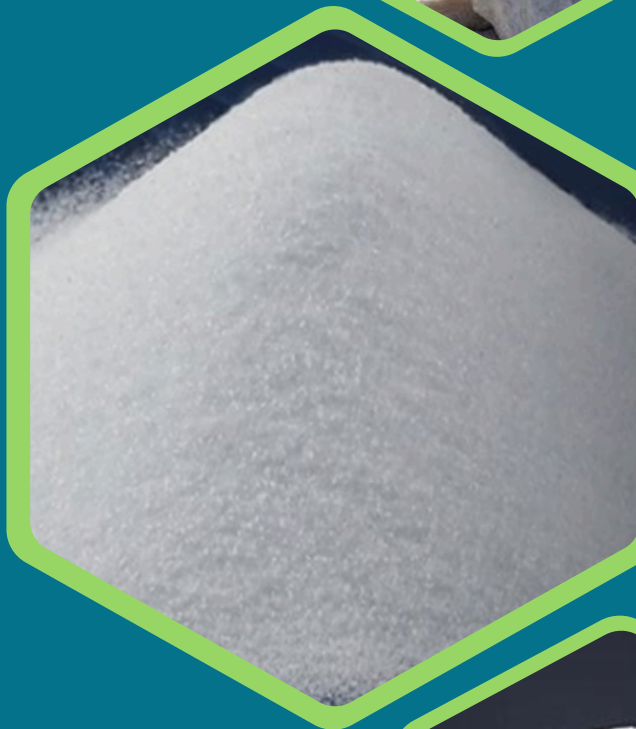
PLASTICS & RUBBER



ADHESIVES & SEALANTS



CERAMICS, AND ABRASIVES



QUARTZ POWDER PROPERTIES

Properties	Unit	SP SIL10	SP SIL 05	SP SIL 15	SP SIL 40
Optical Properties					
Whiteness	%	91-93	89-91	89-91	87-89
Bulk Density – Tapped	g/liter	0.72	0.705	0.735	0.77
Moisture Content (Max)	%	0.1	0.1	0.1	0.1
Specific Gravity	—	2.65	2.65	2.65	2.65
Oil Absorption (D-1483)	gms/100 gms	33	35	30	28
Hegman Grind	—	7.5	7.5+	7	6.5
Particle Size Distribution (Sedigraph 5100)					
Top Size (≤ microns)	μm	10	5	15	40
Retained on 325 Mesh	%	0.005	0.002	0.02	0.1
Chemical Composition					
SiO ₂ (Silicon Dioxide)	%	98.6	98.5	98.4	98
Loss on Ignition at 1100°C	%	0.3	0.3	0.3	0.35
pH (10% Suspension)	—	5.5-8.0	5.5-8.0	5.5-8.0	5.5-8.0



CONTACT INFORMATION



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