



Fine Aggregate

APPLICATIONS OF OUR WASHED, SIZED, & AIR-DRIED FINE AGGREGATE:

- Blending for C33 Concrete Fine Aggregate
- Hot Mix Asphalt
- Bedding Sand
- Foundations and Footings
- Sand for Stucco, Plaster, Grout, and Mortar

TYPICAL CHEMICAL COMPOSITION

SiO ₂	Silicon dioxide	>95%
KAISi ₃ O ₈	Potassium feldspars	<3%
NaAlSi ₃ O ₈	Plagioclase	<1%
CaCO ₃	Calcite	<1%
	Mica	<1%

TYPICAL PARTICLE SIZE DISTRIBUTION

US Sieve Size No.	Accum. % Passing	Range
10	100	98-100
16	100	95-100
30	88	85-90
40	66	60-70
50	38	35-45
100	3	0-5
Passing 200	0.2	0.0-1.0
AFS Grain Fineness	38	

TYPICAL PHYSICAL PROPERTIES

Color	Tan
Grain Shape	Sub-angular
Roundness	0.7
Sphericity	0.7
Turbidity (FTU)	52
Bulk Density (lb/ft ³)	92
Bulk Density (g/cc)	1.48
Specific Gravity (Apparent Density)	2.61
Mean Particle Diameter (mm)	0.43
Median Particle Diameter (mm)	0.43
Solubility (15% HCL 0.5Hr @ 150F)	0.42%

SILICA COMPOSITION: >95%

SAND EQUIVALENT VALUE: 88

AASHTO T176

DURABILITY INDEX: 83

AASHTO T210

MOISTURE CONTENT: 3.1%

ASTM C566

For more information contact sales@silicaservicesinc.com

GRADE NUMBERS INDICATE RELATIVE VALUES OR RESULTS. THEY ARE NOT A SPECIFICATION OR WARRANTY OF PERFORMANCE.

HEALTH HAZARD WARNING: Prolonged inhalation of dust associated with the materials described in this data sheet can cause delayed lung injury including Silicosis, a progressive, disabling and sometimes fatal lung disease. IARC and NTP have determined that crystalline silica can cause lung cancer in humans. Risk of injury is dependent on the duration and level of exposure. Follow OSHA or other relevant safety and health standards for the form of crystalline silica called Quartz. Current safety data sheet, containing safety information, is available and should be consulted before usage.

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Silica/Silica Containing

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