

Established 1903

# Atlanta Sand & Supply

Company, Inc.

TECHNICAL DATA

MINERAL FILLERS

## CHARACTERISTICS

Roberta, GA

Atlanta Sand & Supply Company's mineral filler products are produced from high purity industrial quartz sands for a wide variety of industrial and construction based products. We provide consistent silica sand, which serves as an excellent chemically inert structural filler. With a sub-angular to sub-rounded particle shape, our sand offers excellent placement, compaction and mechanical properties. The high silica content and low level soluble irons, alkalis and alkaline oxides provides a non-reactive service in most corrosive and exposed environments.

All of Atlanta Sand's products are processed and sized under a rigid quality assurance program. Our goal is to produce a consistent, uniform product, which will perform well in a number of different construction and manufacturing applications.

**PARTICLE SIZE ANALYSIS AND PROPERTIES** – These are mean values and do not represent a specification. Typical mean % retained on individual sieves.

ASTM Mesh Sizes	Product #16	Product #18	Product #20	Product #30/50	Product Minus #44
#18	93.20	88.20	11.80	0.00	0.00
#20	4.20	10.30	45.40	0.40	0.10
#30	0.90	0.90	35.80	24.80	0.20
#40	0.60	0.20	5.30	49.00	6.90
#50	0.20	0.00	0.70	19.90	25.10
#70	0.00	0.00	0.00	4.40	42.10
#100	0.00	0.00	0.00	1.00	19.70
#140	0.00	0.00	0.00	0.10	5.20
#200	0.01	0.01	0.01	0.04	0.55
#270	0.11	0.01	0.01	0.00	0.02
PAN	0.72	0.25	0.98	0.41	0.17

Grade numbers indicate relative values or results. They are not a specification or warranty of performance.

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Physical Characteristics		
Grain Shape	Sub-Angular	Visual
Moisture Content	< 0.1	ASTM C-566
Specific Gravity (g/cm)	2.65	ASTM C-128
Bulk Density, dry rodded (lb/cf)	90-93	ASTM C-29

**CHEMICAL ANALYSIS** – These are mean values and do not represent a specification.

Mineral	Mean % by Weight
Silicon Dioxide (SiO <sub>2</sub> )	99.69
Iron Oxide (FeO <sub>2</sub> )	0.0778
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	0.0314
Calcium Oxide (CaO)	0.0060
Titanium Oxide (TiO <sub>2</sub> )	0.0108
Magnesium (MgO)	0.0006
Potassium (Na <sub>2</sub> O)	0.0042
Sodium Oxide (k <sub>2</sub> O)	0.0056
Loss on Ignition (L.O.I.)	0.1730

## ORDERING INFORMATION

Shipping Point: 740 Sand Pit Road  
Roberta, GA 31078  
US 341 – Crawford County  
Norfolk Southern Railroad

Availability: Bulk, Bulk Bags, 50 lb and 100 lb Paper Bags  
Truck and Rail

### For product information and customer service:

Corporate Office  
P.O. Box 27597  
Macon, GA 31221

Phone: 478-475-5444  
Fax: 478-475-0450  
Website: [www.atlantasand.com](http://www.atlantasand.com)

Health Hazard Warning: CONTAINS FREE CRYSTALLINE SILICA. DO NOT BREATHE DUST, MAY CAUSE DELAYED LUNG INJURY. Keep container closed. Use with adequate ventilation. Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Crystalline Silica has been classified by IARC and NTP as a carcinogen. **DO NOT USE FOR SANDBLASTING OR ABRASIVE CLEANING UNLESS PROPER PERSONAL PROTECTIVE EQUIPMENT IS USED. CONSULT SDS BEFORE USING.**