

FEATURES & BENEFITS

ACCUSAND® Testing Sand grades are produced for use in cement testing as specified by ASTM C-778. Our C-190 standard sand meets the ASTM specification for tensile strength testing. ACCUSAND grades are whole grain silica sand of exceptional uniformity and chemical purity.

All ACCUSAND grades are processed and sized under rigid Covia QIPSM statistical and quality assurance programs. The result is chemical purity and consistently uniform particle size distributions for predictable performance in either manufactured or site-prepared products.

PARTICAL SIZE ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

	Mesh Size		
	ASTM	MICRONS	STANDARD C-190
Typical mean % retained on individual sieves	20	850	0.6
	25	710	58.4
	30	600	97.9
	35	500	100.0
	40	425	--

PHYSICAL PROPERTIES

Typical Mean Values. These Do Not Represent a Specification.

ACCUSAND® Testing Sand		
Color	White	Visual
Hardness (Mohs)	7.0	Moh's Scale
Moisture Content (%)	<0.1	ASTM C-566
Specific Gravity (g/cm ³)	2.65	ASTM C-28
Bulk Density, loose (lb/ft ³)	92-95	ASTM C-29
Bulk Density, compacted (lb/ft ³)	98-100	ASTM C-29

CHEMICAL ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

Typical Mean Percent by Weight	
Silicon Dioxide (SiO ₂)	99.83
Iron Oxide (Fe ₂ O ₃)	0.02
Aluminum Oxide (Al ₂ O ₃)	0.04
Calcium Oxide (CaO)	0.03
Titanium Dioxide (TiO ₂)	0.01
Magnesium Oxide (MgO)	0.01
Potassium Oxide (K ₂ O)	0.01
Sodium Oxide (Na ₂ O)	0.01
Loss on Ignition (LOI)	0.03

SHIPPING/ORDERING INFORMATION

- Shipping Point: Ottawa, MN
Originating Carrier: Union Pacific (UP)
- Availability: IBC and 50 lb Poly Bag
Truck and Rail

CUSTOMER SERVICE

US & Canada: 1-800-243-9004

Fax: 1-800-243-9005

Worldwide: 1-203-442-2500

Fax: 1-203-972-1378

3 Summit Park Drive, Suite 700, Independence, OH 44131 | CoviaCorp.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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