

FEATURES & BENEFITS

ACCUSAND® Filtration Sand is extremely hard, whole grain crystalline silica. This sand is both durable and dense, making it resistant to degradation during handling, backwashing and extended use. ACCUSAND has been developed for unique requirements in water and resin filtration, fluidized bed reactors and incinerators and catalyst supports and filters.

All ACCUSAND grades are processed and sized under rigid Covia QIPSM statistical and quality assurance programs. The result is chemical purity, minimal clay and organic contamination and consistent effective sizes and uniformity coefficients.

PARTICAL SIZE ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

	Mesh Size		ACCUSAND® Grades							
	ASTM	MICRONS	12/20	16/30	20/30	20/40	30/40	40/50	40/60	50/70
Typical mean % retained on individual sieves	12	1.70mm	0.8	--	--	--	--	--	--	--
	16	1.18mm	55.7	1.2	--	--	--	--	--	--
	18	1.00mm	27.2	23.3	--	--	--	--	--	--
	20	850	14.5	46.8	0.6	1.2	--	--	--	--
	25	710	--	27.2	57.8	20.6	--	--	--	--
	30	600	1.8	1.3	39.5	39.9	1.2	--	--	--
	35	500	--	--	1.9	32.8	62.6	--	--	--
	40	425	--	0.2	0.1	5.0	35.5	0.1	1.1	--
	45	355	--	--	--	--	0.7	51.4	27.8	--
	50	300	--	--	--	0.4	0.1	47.1	53.0	1.1
	60	250	--	--	--	--	--	1.4	16.9	55.1
	70	212	--	--	--	--	--	--	1.1	40.6
	100	150	--	--	--	--	--	--	0.1	3.2
	PAN	PAN	0.1	--	--	--	--	--	--	--
API RP58			0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8

Filtration Sand

PHYSICAL PROPERTIES

Typical Mean Values. These Do Not Represent a Specification.

ACCUSAND® Filtration Sand		
Grain Shape	Rounded	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)	99.80
Iron Oxide (Fe ₂ O ₃)	0.03
Aluminum Oxide (Al ₂ O ₃)	tr
Calcium Oxide (CaO)	0.04
Titanium Dioxide (TiO ₂)	0.01
Magnesium Oxide (MgO)	0.01
Potassium Oxide (K ₂ O)	tr
Sodium Oxide (Na ₂ O)	0.01
Loss on Ignition (LOI)	0.10

SHIPPING/ORDERING INFORMATION

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

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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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