

FEATURES & BENEFITS

Black Lab® offers a wide range of blended sand and gravel grades to meet performance requirements in systems formulated for construction, flooring, transportation, sports and recreation, and more. In addition to our pre-blended aggregate grades, Black Lab is also one of North America's largest custom toll blenders of conventional aggregates and other dry granular materials. Our blending services are backed by state-of-the-art equipment, industry-leading technical capabilities, custom packaging, and logistics services throughout North America.

TYPICAL SILICA SAND GRADES – SUB-ROUND GRAIN SHAPE

Key for Table Below: A - Angular S - Sub-Round/Angular R - Round

| Mesh | B430 | B612 | B1020 | B1220 | B2040 | B550 | B110 | WF1630 | W480 | W430 | W730 | BLC110 |
|-------|------|------|-------|-------|-------|------|-------|--------|------|------|------|--------|
| 1/4" | | | | | | | | | | | | |
| 4 | T | T | | | | | | | | | | |
| 6 | 36 | 3 | | | | | | | | | | |
| 8 | 57 | 43 | T | | | | | | | | | |
| 10 | 6 | 42 | 4 | T | | | | | | | | |
| 12 | 1 | 12 | 12 | 4 | T | | | | | | | |
| 16 | T | 1 | 45 | 44 | T | | | 2 | | | | |
| 20 | | T | 29 | 39 | 10 | | | 80 | | | | |
| 30 | | | 7 | 10 | 53 | T | | 18 | 13 | T | | |
| 40 | | | 1 | 2 | 35 | 15 | 0 | T | 74 | 31 | | T |
| 50 | | | 1 | 1 | 3 | 41 | 0 | | 12 | 45 | 2 | 2 |
| 70 | | | 0 | 0 | T | 31 | 5 | | 1 | 19 | 15 | 3 |
| 100 | | | T | T | | 11 | 18 | | | 1 | 48 | 20 |
| 140 | | | | | | 2 | 35 | | | 1 | 29 | 41 |
| 200 | | | | | | T | 25 | | | | 6 | 24 |
| 270 | | | | | | T | 10 | | | | T | 8 |
| Pan | | | | | | | 6 | | | | | 2 |
| AFS | | | 10.5 | 11.8 | 23 | 46.4 | 125.2 | | 30 | 40 | 80 | 112 |
| Shape | S | S | S | S | S | S | S | R | R | R | R | R |

CHEMICAL ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.


| | Typical Mean Percent by Weight |
|--|--|
| Silicon Dioxide (SiO ₂) | 99.5 |
| Iron Oxide (Fe ₂ O ₃) | 0.083 |
| Aluminum Oxide (Al ₂ O ₃) | 0.134 |
| Calcium Oxide (CaO) | 0.010 |
| Titanium Dioxide (TiO ₂) | 0.021 |
| Magnesium Oxide (MgO) | 0.010 |
| Potassium Oxide (K ₂ O) | 0.0031 |
| Sodium Oxide (Na ₂ O) | 0.008 |
| Loss on Ignition (LOI) | 0.141 |
| Hardness, Mohs | 7 |
| pH | 7 |
| Fusion Point | 3,150°F (1,732°C) |
| Acid Demand Value | 0.004 |
| Bulk Density | 100 lb./ft ³ (1,602 kg/m ³) |

PARTICAL SIZE ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

| | Mesh Size | SILICA SAND AND GRAVEL [®] Grades | |
|--|-----------|--|-----|
| Typical mean % retained on individual sieves | | #8 | #67 |
| | 3/4" | - | 0 |
| | 1/2" | - | 15 |
| | 3/8" | T | 45 |
| | 1/4" | 40 | 32 |
| | 4 | 37 | 5 |
| | 6 | 20 | 2 |
| | 8 | 2 | T |
| | 16 | T | 0 |
| | | Pan | T |

SHIPPING/ORDERING INFORMATION

- Shipping Point: Chardon, OH
- Originating Carrier:
- Availability:  Bulk, IBC, 50 lb Paper Bag Truck Only


CUSTOMER SERVICE

US & Canada: 1-800-258-3878

Email: BlackLab.CustomerService@CoviaCorp.com

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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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