

## 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  | BLACK LAB® Grades |                |               |               |               |        |         |         |               |               |                |
|-------|-------------------|----------------|---------------|---------------|---------------|--------|---------|---------|---------------|---------------|----------------|
|       | GRANUSIL 3095     | GRANUSIL W4095 | GRANUSIL 4080 | GRANUSIL 4030 | GRANUSIL 7030 | BLC110 | CSG 410 | CSG 612 | GRANUSIL 2095 | GRANUSIL 2085 | GRANUSIL B4095 |
| 1/4"  |                   |                |               |               |               |        |         |         |               |               |                |
| 4     |                   |                |               |               |               |        | T       | T       |               |               |                |
| 6     |                   |                |               |               |               |        | 36      | 3       |               |               |                |
| 8     |                   |                |               |               |               |        | 57      | 43      | T             |               |                |
| 10    |                   |                |               |               |               |        | 6       | 42      | 3.5           | 0.1           |                |
| 12    |                   |                |               |               |               |        | 1       | 12      | 14.3          | 4.5           | T              |
| 16    | 2                 |                |               |               |               |        | T       | 1       | 45.1          | 45.6          | 0.4            |
| 20    | 80                | 0.4            |               |               |               |        |         | T       | 28            | 38.5          | 10.6           |
| 30    | 18                | 50.1           | 13            | 0.1           |               |        |         |         | 5.9           | 8.1           | 43.1           |
| 40    | T                 | 47.6           | 74            | 30.9          |               | T      |         |         | 1.4           | 1.7           | 41.9           |
| 50    |                   | 1.2            | 12            | 45.2          | 2.2           | 2      |         |         | 1             | 0.9           | 3.2            |
| 70    |                   |                | 1             | 19.4          | 14.7          | 3      |         |         | 0             | 0             |                |
| 100   |                   |                |               | 3.8           | 47.5          | 20     |         |         | 0.8           | 0.6           | 0.5            |
| 140   |                   |                |               | 0.6           | 28.8          | 41     |         |         |               |               |                |
| 200   |                   |                |               |               | 6.4           | 24     |         |         |               |               |                |
| 270   |                   |                |               |               | 0.4           | 8      |         |         |               |               |                |
| Pan   |                   |                |               |               |               | 2      |         |         |               |               |                |
| AFS   |                   |                | 30            | 40            | 80            | 112    |         |         | 10.5          | 11.8          | 23             |
| Shape | R                 | R              | R             | R             | R             | R      | S       | S       | S             | S             | S              |

Prior Grade Designations: WF1630 W2040 W480 W430 W730 BLC110 B430 B612 B1020 B1220 B2040

## CHEMICAL ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

|  | Coarse | Medium | Fine  |
|--|--------|--------|-------|
| Silicon Dioxide (SiO <sub>2</sub> )              | 99.75  | 99.65  | 99.51 |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )     | 0.016  | 0.018  | 0.035 |
| Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ) | 0.055  | 0.065  | 0.12  |
| Calcium Oxide (CaO)                              | 0.011  | 0.012  | 0.02  |
| Titanium Dioxide (TiO <sub>2</sub> )             | 0.010  | 0.011  | 0.016 |
| Magnesium Oxide (MgO)                            | 0.008  | 0.009  | 0.018 |
| Clay   | 0.15   | 0.18   | 0.29  |
| Loss on Ignition (LOI)                           | 0.058  | 0.072  | 0.085 |
| pH   | 7      | 7.1    | 7.4   |
| Acid Demand Value                                | 0.5    | 0.8    | 1.7   |
| Grain Shape                                      | Round  | Round  | Round |

## SHIPPING/ORDERING INFORMATION

- Shipping Point: Serena, IL
- Availability: IBC, 50 lb paper bags, and custom packaging Truck Only

### CUSTOMER SERVICE

US & Canada: 1-800-258-3878

Email: [BlackLab.CustomerService@CoviaCorp.com](mailto:BlackLab.CustomerService@CoviaCorp.com)

3 Summit Park Drive, Suite 700, Independence, OH 44131 | [CoviaCorp.com](http://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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