

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											
	CSG 410	CSG 612	GRANUSIL 2095	GRANUSIL 2085	GRANUSIL B4095	GRANUSIL 7080	GRANUSIL 7005	GRANUSIL 3095	GRANUSIL 4080	GRANUSIL 4030	GRANUSIL 7020	BLC110
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	T	1	45.1	45.6	0.4			2				
20		T	28	38.5	0.4			80				
30			5.9	8.1	50.1	T		18	13	0.1		
40			1.4	1.7	47.6	11.6	0	T	74	30.9		T
50			1	0.9	1.2	34.2	0.1		12	45.2	2.2	2
70			0	0		36.5	1.7		1	19.4	14.7	3
100			0.8	0.6	0.5	14.8	10.7			3.8	47.5	20
140						2.8	41.6			0.6	28.8	41
200						0.1	29.6				6.4	24
270						T	11				0.4	8
Pan							5.3					2
AFS			10.5	11.8	23	46.4	125.2	18.8	30	40	80	112
Shape	S	S	S	S	S	S	S	R	R	R	R	R

Prior Grade Designations: B430 B612 B1020 B1220 B2040 B550 B110 WF1630 W480 W430 W730 BLC110

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	
		CSG #8	CSG #67
Typical mean % retained on individual sieves	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	T

SHIPPING/ORDERING INFORMATION

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

CUSTOMER SERVICE

US & Canada: 1-800-258-3878

Email: BlackLab.CustomerService@CoviaCorp.com

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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