

## **SILICON METAL**

Globe silicon metal products are used by the chemical industry in the production of numerous silicone compounds and by the aluminum industry as an alloying agent to improve the strength and castability of aluminum. They are also used as feedstock for manufacturing polysilicon, used in the production of photovoltaic solar cells and electronic semiconductors. According to the metals industry research firm, CRU International, our US and Brazilian plants are among the most efficient, lowest cost producers in the world.

### **TYPICAL SILICON METAL COMPOSITIONS:**

#### **CHEMICAL GRADE:**

Silicon	98.50% min.
Iron	0.50% max.
Calcium	0.07% max
Aluminum	0.20% max.

#### **PRIMARY ALUMINUM GRADE:**

Silicon	98.50% min.
Iron	0.35% max.
Calcium	0.07% max.

#### **SECONDARY ALUMINUM GRADE:**

Silicon	98.50% min.
Iron	1.00% max.
Calcium	0.40% max.

#### **HIGH PURITY GRADE:**

Silicon	98.50% min.
Iron	0.10% max.
Calcium	0.07% max
Aluminum	0.20% max.

Other grade specifications available upon request.

#### **SIZING:**

6" x Down	6" x 8" mesh
4" x Down	4" x 8" mesh
2" x Down	2" x 8" mesh

#### **PACKAGING:**

2 - 3,000 lb. super sack or wooden box  
Customer specific packaging where required.

#### **MATERIAL SAFETY DATA SHEET:**

Available to Globe customers. Please ask your sales representative.

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