

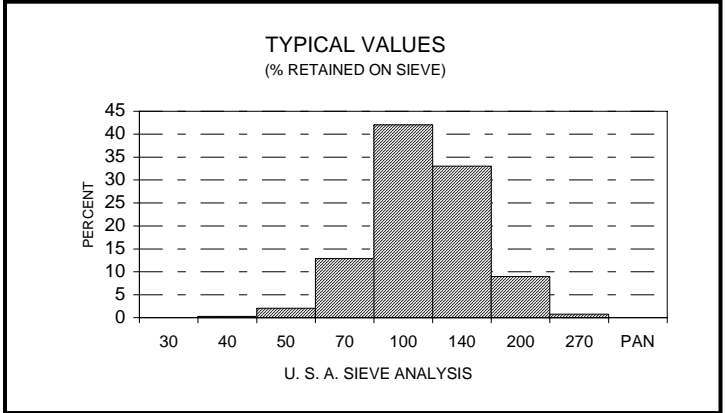


# PRODUCT DATA

## INTERIM OK-90

**UNGROUND SILICA**

PLANT: MILL CREEK, OKLAHOMA



| USA STD SIEVE SIZE |             | TYPICAL VALUES |            |            |
|--------------------|-------------|----------------|------------|------------|
|                    |             | % RETAINED     |            | % PASSING  |
| MESH               | MILLIMETERS | INDIVIDUAL     | CUMULATIVE | CUMULATIVE |
| 30                 | 0.600       | 0.0            | 0.0        | 100.0      |
| 40                 | 0.425       | 0.3            | 0.3        | 99.7       |
| 50                 | 0.300       | 2.1            | 2.4        | 97.6       |
| 70                 | 0.212       | 12.9           | 15.3       | 84.7       |
| 100                | 0.150       | 42.0           | 57.3       | 42.7       |
| 140                | 0.106       | 33.0           | 90.3       | 99.7       |
| 200                | 0.075       | 9.0            | 99.3       | 0.7        |
| 270                | 0.053       | 0.8            | 100.0      | 0.0        |
| PAN                |             | 0.0            | 100.0      |            |

### TYPICAL PHYSICAL PROPERTIES

AFS<sup>(1)</sup> ACID DEMAND (@pH 7)..... 0.4  
 AFS<sup>(1)</sup> GRAIN FINENESS..... 84  
 COLOR ..... WHITE  
 GRAIN SHAPE ..... ROUND  
 HARDNESS (Mohs) ..... 7

MELTING POINT (Degrees F) ..... 3100  
 MINERAL ..... QUARTZ  
 MOISTURE CONTENT (%) ..... <0.5  
 pH ..... 6.8  
 SPECIFIC GRAVITY ..... 2.65

(1) AMERICAN FOUNDRYMEN'S SOCIETY

### TYPICAL CHEMICAL ANALYSIS, %

SiO<sub>2</sub> (Silicon Dioxide)..... 99.8  
 Fe<sub>2</sub>O<sub>3</sub> (Iron Oxide) ..... 0.015  
 Al<sub>2</sub>O<sub>3</sub> (Aluminum Oxide) ..... 0.05  
 TiO<sub>2</sub> (Titanium Dioxide)..... <0.01  
 CaO (Calcium Oxide) ..... <0.01

MgO (Magnesium Oxide) ..... <0.01  
 Na<sub>2</sub>O (Sodium Oxide) ..... <0.01  
 K<sub>2</sub>O (Potassium Oxide) ..... 0.02  
 LOI (Loss On Ignition)..... 0.1

February 1, 2007

**DISCLAIMER:** The information set forth in this Product Data Sheet represents typical properties of the product described; the information and the typical values are not specifications. U.S. Silica Company makes no representation or warranty concerning the Products, expressed or implied, by this Product Data Sheet.

**WARNING:** The product contains crystalline silica - quartz, which can cause silicosis (an occupational lung disease) and lung cancer. **For detailed information on the potential health effect of crystalline silica - quartz, see the U.S. Silica Company Material Safety Data Sheet.**