

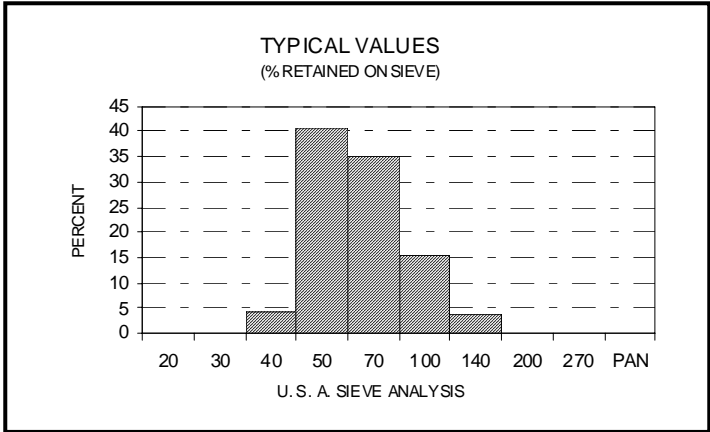


PRODUCT DATA

#1 Dry

UNGROUND SILICA

PLANT: BERKELEY SPRINGS, WEST VIRGINIA



| USA STD SIEVE SIZE | | TYPICAL VALUES | | |
|--------------------|-------------|----------------|------------|------------|
| | | % RETAINED | | % PASSING |
| MESH | MILLIMETERS | INDIVIDUAL | CUMULATIVE | CUMULATIVE |
| 20 | 0.850 | 0.0 | 0.0 | 100.0 |
| 30 | 0.600 | 0.0 | 0.0 | 100.0 |
| 40 | 0.425 | 4.4 | 4.4 | 95.6 |
| 50 | 0.300 | 40.6 | 45.0 | 55.0 |
| 70 | 0.212 | 35.0 | 80.0 | 20.0 |
| 100 | 0.150 | 15.5 | 95.5 | 4.5 |
| 140 | 0.106 | 4.0 | 99.5 | 0.5 |
| 200 | 0.075 | 0.3 | 99.8 | 0.2 |
| 270 | 0.053 | 0.1 | 99.9 | 0.1 |
| Pan | | 0.1 | 100.0 | 0.0 |

TYPICAL PHYSICAL PROPERTIES

GRAIN SHAPE SUBANGULAR
 HARDNESS (Mohs) 7
 MELTING POINT (Degrees F) 3100

MINERAL QUARTZ
 pH 6.5
 SPECIFIC GRAVITY 2.65

TYPICAL CHEMICAL ANALYSIS, %

SiO₂ (Silicon Dioxide) 99.7
 Fe₂O₃ (Iron Oxide) 0.024
 Al₂O₃ (Aluminum Oxide) 0.07
 TiO₂ (TITANIUM DIOXIDE) 0.01
 CaO (Calcium Oxide) 0.01

MgO (Magnesium Oxide) <0.01
 Na₂O (Sodium Oxide) <0.01
 K₂O (Potassium Oxide) 0.01
 LOI (Loss On Ignition) 0.2

December 1, 2009

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.