

Product Data

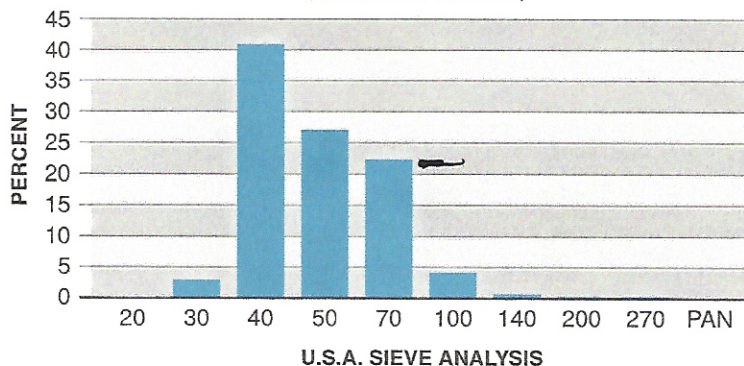


#1 Q-ROK[®]

UNGROUND SILICA

PLANT: MAPLETON, PENNSYLVANIA

TYPICAL VALUES
(% RETAINED ON SIEVE)



| USA STD SIEVE SIZE | | TYPICAL VALUES | | |
|--------------------|-------------|----------------|------------|------------|
| MESH | MILLIMETERS | % RETAINED | | % PASSING |
| | | INDIVIDUAL | CUMULATIVE | CUMULATIVE |
| 20 | 0.850 | 0.0 | 0.0 | 100.0 |
| 30 | 0.600 | 3.0 | 3.0 | 97.0 |
| 40 | 0.425 | 41.0 | 44.0 | 56.0 |
| 50 | 0.300 | 27.2 | 71.2 | 28.8 |
| 70 | 0.212 | 23.2 | 94.4 | 5.6 |
| 100 | 0.150 | 4.1 | 98.5 | 1.5 |
| 140 | 0.106 | 0.7 | 99.2 | 0.8 |
| 200 | 0.075 | 0.3 | 99.5 | 0.5 |
| 270 | 0.053 | 0.2 | 99.7 | 0.3 |
| Pan | | 0.3 | 100.0 | 0.0 |

TYPICAL PHYSICAL PROPERTIES

| | |
|---------------------------|------------|
| Effective Size (mm) | 0.45 |
| Grain Shape | Subangular |
| Hardness (Mohs) | 7 |
| Melting Point (Degrees F) | 3100 |
| Mineral | Quartz |
| pH | 7 |
| Specific Gravity | 2.65 |
| Uniformity Coefficient | 1.57 |

TYPICAL CHEMICAL ANALYSIS, %

| | |
|---|-------|
| Fe ₂ O ₃ (Iron Oxide) | 0.03 |
| Al ₂ O ₃ (Aluminum Oxide) | 0.08 |
| TiO ₂ (Titanium Dioxide) | 0.02 |
| CaO (Calcium Oxide) | 0.01 |
| Na ₂ O (Sodium Oxide) | <0.01 |
| K ₂ O (Potassium Oxide) | 0.01 |
| LOI (Loss On Ignition) | 0.1 |

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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.

