

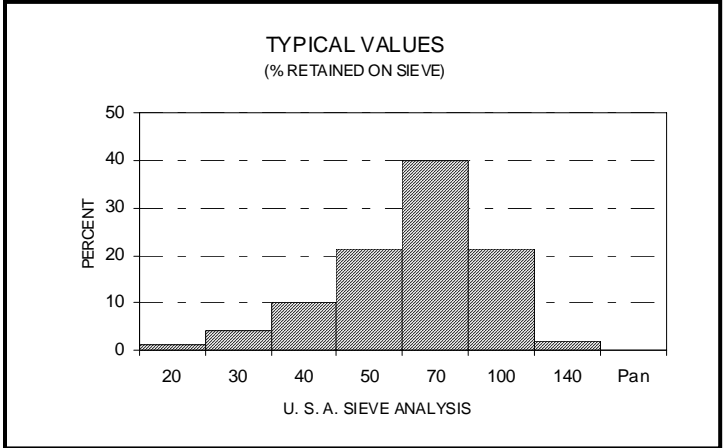


# PRODUCT DATA

## NS-20

### UNGROUND SILICA

PLANT: JACKSON, TENNESSEE



USA STD SIEVE SIZE		TYPICAL VALUES		
		% RETAINED		% PASSING
MESH	MILLIMETERS	INDIVIDUAL	CUMULATIVE	CUMULATIVE
20	0.850	1.0	1.0	99.9
30	0.600	4.2	5.2	94.8
40	0.425	10.0	15.2	84.8
50	0.300	21.3	36.5	63.5
70	0.212	40.0	76.5	23.5
100	0.150	21.5	98.0	2.0
140	0.106	2.0	100.0	0.0
PAN		0.0	100.0	

## 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, %

Fe<sub>2</sub>O<sub>3</sub> (IRON OXIDE) ..... 0.070  
 Al<sub>2</sub>O<sub>3</sub> (ALUMINUM OXIDE) ..... 0.27  
 TiO<sub>2</sub> (TITANIUM DIOXIDE) ..... 0.12  
 CaO (CALCIUM OXIDE) ..... 0.01

Na<sub>2</sub>O (SODIUM OXIDE) ..... <0.01  
 K<sub>2</sub>O (POTASSIUM OXIDE) ..... 0.01  
 LOI (LOSS ON IGNITION) ..... 0.2

May 23, 2008

**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.