

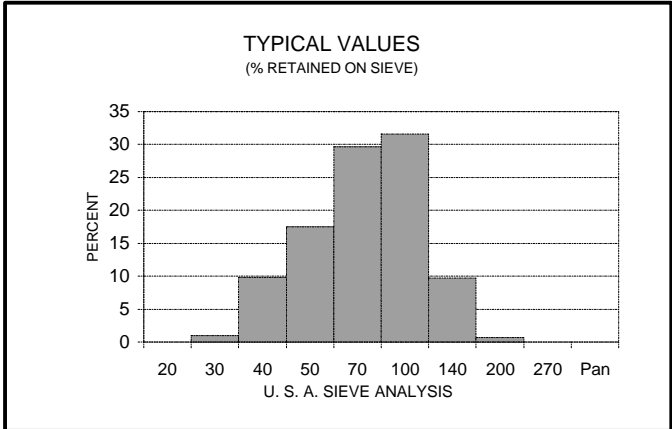


**PRODUCT DATA**

# HI-58

## UNGROUND SILICA

PLANT: HURTSBORO, ALABAMA



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	1.0	1.0	99.0
40	0.425	9.8	10.8	89.2
50	0.300	17.5	28.3	71.7
70	0.212	29.7	58.0	42.0
100	0.150	31.6	89.6	10.4
140	0.106	9.7	99.3	0.7
200	0.075	0.7	100.0	0.0
270	0.053	0.0	100.0	0.0
Pan				

**TYPICAL PHYSICAL PROPERTIES**

AFS<sup>(1)</sup> ACID DEMAND (@pH 7)..... 1.0  
 AFS GRAIN FINENESS..... 58  
 COLOR..... BEIGE  
 GRAIN SHAPE ..... SUBANGULAR  
 HARDNESS (Mohs) ..... 7

MELTING POINT (Degrees F)..... 3100  
 MINERAL..... QUARTZ  
 MOISTURE CONTENT (%) ..... 0.1  
 pH..... 7  
 SPECIFIC GRAVITY ..... 2.65

(1) AMERICAN FOUNDRYMEN'S SOCIETY

**TYPICAL CHEMICAL ANALYSIS, %**

SiO<sub>2</sub> (SILICON DIOXIDE) ..... 99.4  
 Fe<sub>2</sub>O<sub>3</sub> (IRON OXIDE) ..... 0.06  
 Al<sub>2</sub>O<sub>3</sub> (ALUMINUM OXIDE)..... 0.12  
 TiO<sub>2</sub> (TITANIUM DIOXIDE)..... 0.08  
 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) ..... 0.06  
 LOI (LOSS ON IGNITION) ..... 0.1

October 28, 2005

**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.