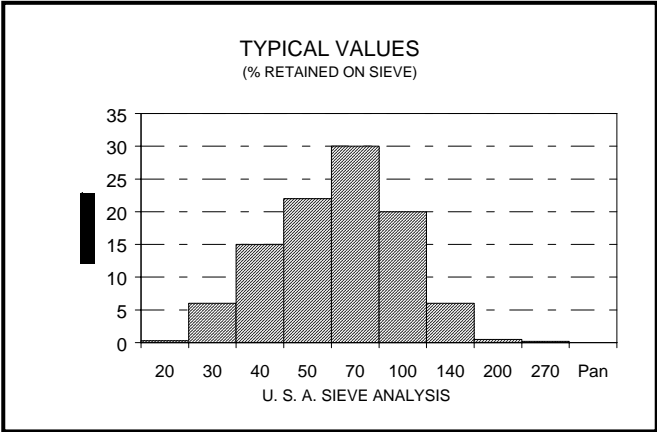




PRODUCT DATA



HI-50
UNGROUND SILICA

PLANT: HURTSBORO, ALABAMA

USA STD SIEVE SIZE		TYPICAL VALUES		
		% RETAINED		% PASSING
MESH	MILLIMETERS	INDIVIDUAL	CUMULATIVE	CUMULATIVE
20	0.850	0.3	0.3	99.7
30	0.600	6.0	6.3	93.7
40	0.425	15.0	21.3	78.7
50	0.300	22.0	43.3	56.7
70	0.212	30.0	73.3	26.7
100	0.150	20.0	93.3	6.7
140	0.106	6.0	99.3	0.7
200	0.075	0.5	99.8	0.2
270	0.053	0.2	100.0	0.0
Pan		0.0		

TYPICAL PHYSICAL PROPERTIES

AFS⁽¹⁾ ACID DEMAND (@pH 7)..... 1.0
 AFS GRAIN FINENESS 50
 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, %

SiO₂ (SILICON DIOXIDE)..... 99.4
 Fe₂O₃ (IRON OXIDE)..... 0.06
 Al₂O₃ (ALUMINUM OXIDE)..... 0.12
 TiO₂ (TITANIUM DIOXIDE) 0.08
 CaO (CALCIUM OXIDE)..... <0.01

MgO (MAGNESIUM OXIDE) <0.01
 Na₂O (SODIUM OXIDE)..... 0.01
 K₂O (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.