

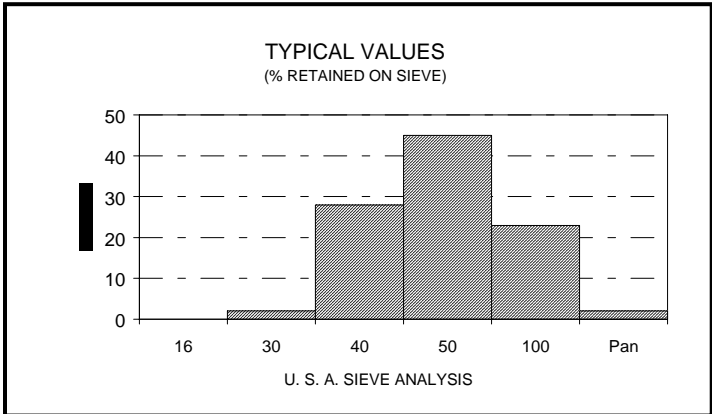


PRODUCT DATA

ASTM ⁽¹⁾ GRADED SAND

UNGROUND SILICA

PLANT: OTTAWA, ILLINOIS



(1) AMERICAN SOCIETY FOR TESTING AND MATERIALS

USA STD SIEVE SIZE		TYPICAL VALUES		
		% RETAINED		% PASSING
MESH	MILLIMETERS	INDIVIDUAL	CUMULATIVE	CUMULATIVE
16	1.180	0.0	0.0	100.0
30	0.600	2.0	2.0	98.0
40	0.425	28.0	30.0	70.0
50	0.300	45.0	75.0	25.0
100	0.150	23.0	98.0	2.0
PAN		2.0	100.0	0.0

TYPICAL PROPERTIES

COLOR WHITE
 GRAIN SHAPE ROUND
 HARDNESS (Mohs) 7
 MELTING POINT (Degrees F) 3100

MINERAL QUARTZ
 pH 7
 SPECIFIC GRAVITY 2.65

TYPICAL CHEMICAL ANALYSIS, %

SiO₂ (Silicon Dioxide) 99.7
 Fe₂O₃ (Iron Oxide) 0.020
 Al₂O₃ (Aluminum Oxide) 0.06
 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) 0.1

CONFORMS TO ASTM C778

December 15, 1997

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.