



PRODUCT DATA
Foundry Sand

12/31/2024

		50 F		60 F	
USA STD SIEVE SIZE		TYPICAL % RETAINED		TYPICAL % RETAINED	
SIEVE	MM	INDIVIDUAL	CUMULATIVE	INDIVIDUAL	CUMULATIVE
20	0.850	0.0	0.0	0.0	0.0
30	0.600	0.1	0.1	0.6	0.6
40	0.425	16.8	16.9	13.4	14.0
50	0.300	27.3	44.2	45.0	59.0
70	0.212	29.9	74.1	33.1	92.1
100	0.150	20.5	94.6	7.6	99.7
140	0.106	5.2	99.8	0.3	100.0
200	0.075	0.2	100.0	0.0	100.0
270	0.053	0.0	100.0	0.0	100.0
PAN		0.0	100.0	59.1	159.1
AFS(1) GRAIN FINENESS		TYPIICAL	51		59
		RANGE	47 - 53		57 - 63

(1) AMERICAN FOUNDRYMEN'S SOCIETY

TYPICAL PHYSICAL PROPERTIES

GRAIN SHAPE	Sub Rounded	MINERAL	Quartz
HARDNESS (Mohs)	7	pH	7.20
MELTING POINT (Degrees F)	3100	SPECIFIC GRAVITY	2.65

TYPICAL CHEMICAL ANALYSIS, %

SiO ₂ (SILICON DIOXIDE)	96%	Na ₂ O (SODIUM OXIDE)	0.1%
Fe ₂ O ₃ (IRON OXIDE)	0.5%	K ₂ O (POTASSIUM OXIDE)	0.5%
Al ₂ O ₃ (ALUMINUM OXIDE)	2%	LOI (LOSS ON IGNITION)	0.1%
TiO ₂ (TITANIUM DIOXIDE)	0.5%	ADV (Acid Demand Value)	1.20
CaO (CALCIUM OXIDE)	<0.01%		

DISCLAIMER:

The information presented on this report lists typical properties of the described product. By this report P.W. Gillibrand Co., Inc. makes no warranty, expressed or implied, of fitness for any purpose. Values valid for 90 days.

This product contains respirable crystalline silica (Quartz), known to the State of California to cause cancer. For additional information, please see the Safety Data Sheet (SDS) at pwgillibrand.com