



PRODUCT DATA
Foundry Sand

		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	0.5	0.5	0.1	0.1
40	0.425	19.5	20.0	1.5	1.6
50	0.300	28.0	48.0	16.7	18.3
70	0.212	26.7	74.7	42.1	60.4
100	0.150	19.3	94.0	31.6	92.0
140	0.106	5.8	99.8	7.7	99.7
200	0.075	0.2	100.0	0.3	100.0
270	0.053	0.0	100.0	0.0	100.0
PAN		0.0	100.0	0.0	100.0
AFS(1) GRAIN FINENESS		TYPICAL	50		59
		RANGE	47 - 53		57 - 63

(1) AMERICAN FOUNDRYMEN'S SOCIETY

TYPICAL PHYSICAL PROPERTIES

AFS(1) GRAIN FINENESS	51	MINERAL	Quartz
GRAIN SHAPE	Sub Rounded	pH	7.20
HARDNESS (Mohs)	7	SPECIFIC GRAVITY	2.65
MELTING POINT (Degrees F)	3100		

TYPICAL CHEMICAL ANALYSIS, %

SiO ₂ (SILICON DIOXIDE)	95%	Na ₂ O (SODIUM OXIDE)	0.1%
Fe ₂ O ₃ (IRON OXIDE)	0.5%	K ₂ O (POTASIUUM OXIDE)	1%
Al ₂ O ₃ (ALUMINUM OXIDE)	2%	LOI (LOSS ON IGNITION)	0.10
TiO ₂ (TITANIUM DIOXIDE)	0.5%	ADV (Acid Demand Value)	1.20
CaO (CALCIUM OXIDE)	<0.1%		

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