



OTTAWA FOUNDRY SANDS

Mined and manufactured to the high standards of U. S. Silica's ISO 9002 Certified Quality System. Air sized, blended and cooled (upon request) to meet the most demanding foundry specifications.

A Sand For All Castings

% RETAINED ON	GRADE						
	F-30	F-32	F-34	F-35	F-37	F-40	F-42
20	<1						
30	21	16	9	6	2	1	2
40	71	63	57	49	44	33	32
50	8	18	28	38	46	46	34
70	<1	2	5	6	7	16	19
100		1	1	1	1	3	10
140						1	2
200							<1
AFS GFN	29	31	33	35	37	39	43

COARSE GRADES

These two and three screen round grain sands yield the highest permeabilities and contain the lowest fines in the industry. They are ideal for lost foam process and any other application requiring the combination of high permeability and low fines.

MEDIUM GRADES

% RETAINED ON	GRADE							
	F-45	#17	F-50	F-52	F-55	F-58	F-60	F-62
20								
30	1	<1	<1	<1	<1	<1		
40	21	9	11	6	4	4	4	4
50	37	36	34	27	21	19	19	17
70	27	39	37	41	41	39	35	32
100	12	13	15	22	27	28	29	31
140	2	2	3	3	6	8	11	14
200	<1	<1	<1	<1	<1	1	2	2
270						<1	<1	<1
AFS GFN	46	47	49	52	56	58	60	63

Offering high permeabilities due to excellent fines control, these three and four screen round grain sands are ideal for most core and molding applications in iron, steel and non-ferrous foundries. They also demonstrate high strength in all binder systems.

FINE GRADES

% RETAINED ON	GRADE						
	F-65	F-70	F-75	F-80	F-85	F-95	F-110
30	<1						
40	3	1	<1	<1	<1	<1	
50	15	9	6	5	2	1	<1
70	29	30	24	19	12	9	4
100	31	35	38	36	38	30	18
140	18	20	25	31	38	42	44
200	3	4	6	8	9	15	25
270	<1	<1	<1	1	1	3	8
Pan						<1	<1
AFS GFN	67	70	76	80	85	95	110

These grades consist of rounded to subangular grains, which provide high strength and excellent permeabilities. They achieve superior casting finishes in all binder systems and metals.

DISCLAIMER: The information set forth in this 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.