

Blast Off - Quartz Abrasive Blasting Media

FINE ROUND GRAIN SILICA SAND

Typical Physical Properties		Typical Chemical Properties	
Fusion Point	3135 °F	#12-20 and Finer Sizes	
Hardness	Knoop - 820; Mohs - 7	SiO ₂	99.8%
Grain Shape	Spherical	Fe ₂ O ₃	0.016%
Specific Gravity	2.65 g/cm ³	Al ₂ O ₃	0.034%
Loose Pack Bulk Density	1.60 g/cm ³ (100 lbs./ft ³)	TiO ₂	0.007%
pH	6.8 to 7.2	CaO	0.011%
		MgO	0.007%
		Loss on Ignition	0.094%

TYPICAL SCREEN ANALYSIS

(Percent Retained)

US SIEVE	12-20	16-30	20-40	35-50	40-70	50-80	70-100	100-140	140-200	140-270
12										
14	11.7									
16	60.0									
18	19.5	1.3								
20	5.9	48.2	0.2							
25	2.9	45.4	7.0	0.3						
30		3.8	20.6	2.0	0.3					
35		0.9	42.8	20.5	5.2					
40		0.4	23.3	35.3	16.5	2.7	2.9	1.2	0.3	
50			6.0	32.7	37.0	39.3	17.4	2.9	1.5	
60				4.7	14.2	23.8	---	---	---	
70				2.2	9.3	16.2	39.9	13.2	4.4	
80				2.3	5.5	9.1	---	---	---	
100					4.8	5.4	27.7	41.4	19.8	
120					7.2	3.5	---	---	---	---
140							11.2	36.3	42.8	27.8
170							---	---	---	---
200							0.9	4.8	20.5	50.9
230								---	---	---
270								0.1	8.3	19.3
325/PAN									2.3	2.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

AFS Grain Number	11	15	25	35	47	50	59.6	80.3	111.8	144
Effective Size (mm).	1.0	0.71	0.43	0.30	.15	.15	.11			