

Mobile ABRASIVES

Alabama Blast & White Sugar Sand Quartz Sand (a.k.a. Silica Sand)

[Technical Data Sheet]

Mobile Abrasives' Alabama Blast is designed to meet most construction uses.

Typical Chemical Analysis (%):

Silicon Dioxide (total)	SiO ₂	> 99.50
Aluminum Oxide	Al ₂ O ₃	~ 0.05
Iron Oxide	Fe ₂ O ₃	~ 0.03
Titanium Oxide	TiO ₂	~ 0.03
Calcium Oxide	CaO	< 0.01
Loss On Ignition	LOI	~ 0.11

Typical Physical Properties:

Color: Terra Cotta

Mineral: Quartz

Moisture: < 0.20%

Solubility: Insoluble

Specific Gravity (g/cc): 2.65

Grain Shape: Angular

Bulk Density: 93 lbs./ft.³

Hardness (Mohs): 7

Boiling Point: 2230 Celsius

Melting Point: 1710 Celsius

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Grade	Minimum Nozzle Size	Average Mil Profile	Approx. Specifications (U.S. Standard Screens)		Recommended Uses
			Screen	Retained	
10-40	3/8"	4.0 – 5.0	8 10..... 12..... 16..... 20..... 30..... 40..... 60..... >60	0 – 5% 0 – 10% 2 – 25% 10 – 45% 10 – 40% 10 – 30% 5 – 20% 0 – 20% 0 – 10%	Heavy rust & paint coating material, ships, barges, and concrete.
12-40	1/4"	3.0 – 4.5	10 16..... 20..... 30..... 40..... >40	0 – 10% .5 – 40% 10 – 45% 10 – 35% 0 – 15% 0 – 10%	General purpose rust & paint stripping, tanks, structural steel, boats, and bridges.
20-40	3/16"	2.5 – 3.0	16 20..... 30..... 40..... 50..... >50	0 – 2% 0 – 20% 30 – 50% 20 – 40% 0 – 25% 5 – 20%	Light rust & paint stripping, cabinets, and mill scale.
30-60	1/8"	1.0 – 2.0	40 50..... 80..... 100..... >100	5 – 20% .25 – 50% 25 – 40% .5 – 15% 5 – 25%	Provide a smooth surface, especially for new steel, light rust & paint stripping, especially for automobiles.

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