



Riley Equipment Company  
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## Filter Silica Sand Media

Our line of Filter Silica Sand Media is mostly siliceous material, with hard, dense grains that has been washed, dried and screened to meet rigorous quality control. This filtration media offers a high particle removal to water flow ratio, which helps increase filter life.

**APPLICATION:** For liquid filtration. Commonly used in Aquariums (#20), Pools, Industrial, Wastewater, Municipal, Residential filtration, and Oil and Gas well fracturing.

### MEDIA PROPERTIES:

Effective Sizes	.20mm-2.50mm
pH	7.0
Specific Gravity	2.65 Avg
Bulk Density (lbs./Ft <sup>3</sup> )	90-100 lbs per cubic foot
Hardness, minimum	7 (Mohs Scale)
Color	Tan/White
Uniform Coefficient	1.3- <1.7
Acid Solubility (AWWA B100)	< 1.0%

### Chemical Analysis

SiO <sub>2</sub> (Silicone Dioxide)	99.48%
Fe <sub>2</sub> O <sub>3</sub> (Iron Oxide)	0.06%
Al <sub>2</sub> O <sub>3</sub> (Aluminum Oxide)	0.21%
TiO <sub>2</sub> (Titanium Dioxide)	<0.01%
CaO (calcium Oxide)	<0.01%
MgO (Magnesium Oxide)	<0.01%

### Product Selection Guide: Sieve analysis (% passing) – primary grades

Product Effective Size	2.00-3.00	1.65-2.00	1.2 - 1.6	0.80 - 1.20	0.65 - 0.75	0.60 - 0.65	0.45 - 0.55	0.35 - 0.45	0.20 - 0.30
<b>US Mesh</b>	<b>Millimeters</b>								
4	4.750	99							
5	4.000	89	99						
6	3.350	57	94	99					
7	2.800	27	78	96					
8	2.360	10	57	90					
10	2.000	3	29	73	99				
12	1.700	1	6	50	98	99			
14	1.400		1	15	77	97			
16	1.180			3	51	87	99	99	

18	1.000			1	20	64	88	94		
20	0.850				5	41	65	82	98	
25	0.710				1	11	32	58	84	
30	0.600					3	7	33	59	98
35	0.500					1	2	10	28	93
40	0.425						1	2	8	72
45	0.355							1	2	42
50	0.300									24
60	0.250									10
70	0.212									5
80	0.180									2

**Standard Packaging:** 50 lb. bags and 2,000 lb. super sacks available.

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