



PRODUCT INFORMATION

SILICA WELL PACK MEDIA PLANT: THOMPSON, OH

R.W. Sidley's operates a state of the art processing plant that produces the highest quality products virtually free of deleterious materials. Our processed silica sand is from our Thompson mine part of the Sharon conglomerate formation. All silica sands are washed, dried and screened at the Thompson plant.

All products are ANSI and NSF 61 approved and are tested to AWWA B100-9 standards. 100 Mesh Choke Sand is also available upon request.

Available packaging: 50 lb. bags, 3,000 lb. super sacks, 4,000 lb. super sacks and bulk quantities.

LABORATORY SIEVE ANALYSIS											
Producer		Gravel	Coarse Sand				Medium Sand			Fine Sand	Average U.C.
Global Drilling Suppliers		#3	NP	#4	NP	#5	NP	#6	#7	#8	≤1.7
K&E Sand and Gravel		NP	NP	WP#3	WP #2	WP #1	WP #0	NP	WP #00N	NP	≤1.5
Northern Filter Media		1/4 X 1/8	3/16 X #10 (#3)	1/8 X #12 (#2)	1/8 X #16 (#1)	0.80-1.20mm (Coarse #0)	0.60-0.80mm (#0)	NP	.45-.55mm (#00)	.35-.45mm (#000)	≤1.6
R.W. Sidley, Inc.		1/4 X 1/8	3/16 X 10	6 X 12 (#4)	8 X 16	12 X 20 (#5)	16 X 25 (#6)	16 X 35 (#7)	20 X 40 (#8)	20 X 70	≤1.5
Sieve Size	mm	All % Retained on Individual Screen									
1/4	6.3	2	T								
4	4.75	55	4	T							
6	3.35	42	81	3	T						
8	2.36	T	13	38	5						
10	2.0	1	1	26	23	T					
12	1.68	T	T	24	30	2					
14	1.4			9	34	25	T				
16	1.18			T	7	46	1				
18	1.0				T	24	17	T			
20	0.85					2	29	20	T		
25	0.71						37	50	3		
30	0.6					T	14	25	38	T	
35	0.5						2	4	49	12	
40	0.42						T	T	8	40	
50	0.3								2	42	
70	0.212									6	
100	0.15									T	
Actual Effective Size (mm)		4.02	3.16	1.71	1.43	1.06	0.67	0.63	0.51	0.31	
Actual U.C.		1.3	1.23	1.39	1.33	1.28	1.32	1.28	1.21	1.44	

NP = No Product Offered

CHEMICAL ANALYSIS	
Tests	Results/Units
SiO ₂	99.3%
Fe ₂ O ₃	0.38%
Al ₂ O ₃	0.21%
K ₂ O	0.054%
TiO ₂	0.025%
Na ₂ O	0.005%
Total Mg	0.004%
Total Ca	0.003%
Ni	<0.001%
Mn	0.001%
Cr ₂ O ₃	<0.001%

PHYSICAL ANALYSIS	
Silica	
Percent Loss, Acid Solubility (ASTM D3042)	0.4%
Moh's Hardness	7
Loss on Ignition	0.14%
pH	6.4
Specific Gravity	2.63-2.65
Absorption	0.31%

Testing: Results are typical for the product. T= Trace amounts.

Laboratory Sieve Analysis: Testing was conducted at R.W. Sidley, Inc., Thompson, OH

Tests performed in accordance with ASTM D-75, ASTM C-136, and AASHTO T-176

Chemical Analysis: Testing conducted by NSL Analytical, Cleveland, OH

Physical Analysis: Testing conducted by NSL Analytical, Cleveland, OH

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