

Delta Sand and Gravel, Inc.

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Summary of Aggregate Test Results

Bank Run		Sized Double-Washed Crushed Gravel Stone						Processed Base Materials						Fine Aggregate/Sands								
% Pass	Bank * Run Gravel	1-1/2"	1"	3/4"	3/4" Blend	3/8"	1/4"	% Pass	2" Minus Screened Gravel	1-1/2" Minus CRUSHED Gravel	3/4" Minus CRUSHED Gravel	1/2" Minus CRUSHED Gravel	Hardpak	% Pass	Coarse W-Sand	Winter Sand	Regular Sand	Concrete Sand	Gravel Stone Dust	Beach Sand	Mason Sand	
2"	89							2"	100	100				2"								
1-1/2"	86	100						1-1/2"	98	99	100			1-1/2"								
1"	81	58	100	100	100			1"	92	87	99		100	1"								
3/4"	77	8	24	93	97			3/4"	87	77	87		92	3/4"	100							
1/2"	72	1	1	44	62	100		1/2"	81	66	71	100	75	1/2"	99							
3/8"	69		0	11	40	91	100	3/8"	77	59	63	86	65	3/8"	95	100	100					
#4	62			1	8	18	27	#4	68	50	54	66	48	#4	82	92	94	100	100			
#8	55				1	2	3	#8	58	45	49	51	35	#8	70	77	82	89	82	100	100	
#16	44					1	1	#16	45	38	43	36	25	#16	50	52	59	70	56	99	94	
#30	24						1	#30	27	26	32	24	16	#30	21	22	26	37	39	98	74	
#50	8							#50	12	12	15	14	9	#50	6	7	8	12	26	81	35	
#100	3							#100	6	5	6	8	5	#100	2	3	3	4	18	26	8	
#200	1							#200	2	2	2	4	2	#200	1	1	1	1	6	4	1	

Dry Rodded Wt (pcf)	101.1	100.5	100.8	102.7	98.1	95.0
Max Dry Unit W (Proctor) (pcf)						
Optimum Moisture (%)						
Maximum Wear (Abrasion) (%)				34.0		
Bulk Density (OD)				2.633		
Relative Density (SSD)				2.661		
Apparent Density				2.710		
Absorption (%)				1.100		
Soundness (%) (Na)				0.30		

135.4	136.9	127.6
7.5	6.4	6.6

FM

3.28	2.88	2.79	1.96	2.89
	117.6	127.6	102.2	
	9.5	9.2	18.0	
	2.631	2.766	2.680	
	1.90	1.90	1.00	

**only the portion smaller than 3" is tested*

Title 5 Sand

% Pass	Title 5 Sand	Title 5 % Passing #4 Sieve
2"	100	
1-1/2"	100	
1"	97	
3/4"	95	
1/2"	92	
3/8"	89	
#4	84	100
#8	77	92
#16	63	76
#30	37	45
#50	17	20
#100	6	7
#200	1	2

Crushed Trap Rock

% Pass	Crushed Trap Rock			Processed Trap (Quarry) Rock				% Pass
	1-1/2"	3/4"	3/8"	Dense Graded	3/4" TRG (Trap Rock Gravel)	1/2" TRG (Trap Rock Gravel)	Quarry Stone Dust	
2"	100			2"				2"
1-1/2"	95			1-1/2"	100			1-1/2"
1"	40	100		1"	78			1"
3/4"	12	97		3/4"	70	100		3/4"
1/2"	3	31	100	1/2"	61	90		1/2"
3/8"	2	4	94	3/8"	55	74	100	3/8"
#4		1	22	#4	43	47	79	#4
#8			7	#8	29	32	49	#8
#16			1	#16	18	20	27	#16
#30				#30	12	13	17	#30
#50				#50	8	9	11	#50
#100				#100	5	5	7	#100
#200				#200	3	3	3	#200

99.1	102.9	98.2
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137.2	133.1
8.0	7.8

118.7

10.0	10.0	10.0
2.86	2.86	2.86
2.87	2.87	2.87
2.88	2.88	2.89
0.50	0.45	0.41

2.81
2.84
2.89
1.50

Dry Rodded Wt (pcf)	
Max Dry Unit W (Proctor) (pcf)	
Optimum Moisture (%)	
Maximum Wear (Abrasion) (%)	
Bulk Density (OD)	
Relative Density (SSD)	
Apparent Density	
Absorption (%)	

Customer is responsible for product selection & independent testing for job requirements.

Local Independent Test Labs:

S.W. Cole Engineering
 13 Delta Drive, Unit 8
 Londonderry, NH 03053
 Phone: (603) 716.2111
 Fax: (603) 716-2112

Allied Testing Laboratories
 115 St. George Road
 Springfield, MA 01104
 Phone: (413) 736-1846
 Fax: (413) 736-1838

John Turner Consulting
 66 Southgate Street
 Worcester, MA 01603
 Phone: (774) 420.7227

Calendar Year 2022

Delta offers many more materials than are shown on this summary sheet. Refer to the current price sheet.