

Delta Sand and Gravel, Inc.

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Summary of Typical Aggregate Gradations & Test Results - July, 2017

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	Winter Sand	Sand (Blacktop)	Concrete Sand	Gravel Stone Dust	Beach Sand	Mason Sand	% Pass
2"	88							2"	100	100				2"							2"
1-1/2"	84	100						1-1/2"	95	95			100	1-1/2"							1-1/2"
1"	78	67	100	100	100			1"	90	82	100		99	1"							1"
3/4"	73	14	41	97	99			3/4"	83	74	93		89	3/4"							3/4"
1/2"	68	1	2	42	67	100		1/2"	76	68	82	100	76	1/2"							1/2"
3/8"	65	1	1	9	43	94	100	3/8"	70	64	77	90	67	3/8"	100	100		100			3/8"
#4	56			1	5	11	16	#4	59	56	67	62	52	#4	90	93	100	98			#4
#8	49				1	1	1	#8	49	50	60	46	40	#8	71	78	92	69	100	100	#8
#16	39					1	1	#16	36	41	51	34	29	#16	46	54	73	49	99	90	#16
#30	24							#30	20	26	34	25	18	#30	18	24	37	36	98	70	#30
#50	9							#50	10	11	15	17	10	#50	5	8	11	26	76	35	#50
#100	4							#100	4	4	5	10	5	#100	2	3	3	16	24	8	#100
#200	2							#200	2	2	2	5	3	#200	1	1	1	8	4	2	#200

Dry Rodded Wt (pcf)	94.2	100.5	105.2	102.5	98.2																	
Max Dry Unit W (Proctor) (pcf)																						
Optimum Moisture (%)																						
Maximum Wear (Abrasion) (%)																						
Bulk Density (OD)																						
Relative Density (SSD)																						
Apparent Density																						
Absorption (%)																						
Soundness (%)																						

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

Title 5 Sand			Crushed Trap Rock				Processed Trap (Quarry) Rock						
% Pass	Title 5 Sand	Title 5 % Passing #4 Sieve	% Pass	1-1/2"	3/4"	3/4" Blend	3/8"	% Pass	Dense Graded	TRG (3/4" Trap Rock Gravel)	1/2" TRG (Trap Rock Gravel)	Quarry Stone Dust	% Pass
2"	100		2"	100				2"	100				2"
1-1/2"	99		1-1/2"	95				1-1/2"	98				1-1/2"
1"	96		1"	35	100	100		1"	81	100			1"
3/4"	94		3/4"	4	92	99		3/4"	76	99			3/4"
1/2"	91		1/2"	2	19	78	100	1/2"	67	91			1/2"
3/8"	88		3/8"	2	3	44	97	3/8"	62	78	100	100	3/8"
#4	82	100	#4	1	2	7	17	#4	46	52	76	98	#4
#8	77	95	#8	1	1	3	2	#8	32	35	47	68	#8
#16	68	83	#16				1	#16	22	22	25	43	#16
#30	43	52	#30					#30	15	15	15	28	#30
#50	15	19	#50					#50	11	10	10	19	#50
#100	5	6	#100					#100	7	7	6	13	#100
#200	1	2	#200					#200	4	6	3	8	#200

Dry Rodded Wt (pcf)	99.1	102.9	98.2										
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

Advance Testing Company, Inc.
3348 Route 208
Campbell Hall, NY 10916
Phone: (845) 496.1600
Fax: (845) 496.1398

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