



Source / Location	Contact Information	Rock Classification: Basalt
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AASHTO T-27 Sieve Analysis of Fine and Coarse Aggregate												
% Passing	3/4" Blend	7/16"	5/16"	Dense Grade (R)	TRG	Dense Grade (G)	1 1/2"	3/4"	1/2"	3/8"	Fines	Sand Delta
2"	100	100	100	100	100	100	100	100	100	100	100	100
1 1/2"	100	100	100	99	100	100	94	100	100	100	100	100
1"	100	100	100	80	100	86	40	100	100	100	100	100
3/4"	88	100	100	65	100	80	11	95	100	100	100	100
1/2"	74	100	100	55	97	72	2	25	91	100	100	100
3/8"	42	95	100	50	86	66	1	3	31	95	100	100
#4	8	6	45	42	52	53	1	2	2	28	98	95
#8	3	1	5	32	32	32	1	1	1	3	68	83
#16	2	-	1	22	21	21	-	-	-	2	42	61
#30	1	-	-	19	15	18	-	-	-	-	28	30
#50	1	-	-	15	10	12	-	-	-	-	20	9
#100	1	-	-	10	9	9	-	-	-	-	15	4
#200	0.8	-	-	6	6	5	-	-	-	-	10	2

ASTM D-1557 Method C	Proctor	139.1	134.4	142.8	FM =	2.8	3.2
	Opt. Mc.	7.1	10.0	8.7			

AASHTO T-84 (Fine Aggregate)	Bulk Specific Gravity	2.870	2.849	2.851	2.773	2.711	2.612
	Specific Gravity (SSD)	2.884	2.865	2.871	2.813	2.777	2.651
AASHTO T-85 (Coarse Aggregate)	Apparent Specific Gravity	2.909	2.898	2.908	2.889	2.903	2.719
	Absorption	0.50%	0.60%	0.70%	1.42%	2.40%	1.50%

ASTM D-5821	Fractured Particles (1 face / 2 face)	100%	100%	100%	100%	-	-
ASTM D-4791	Flat / Elongated	2%	4%	6%	6%	-	-
AASHTO T-304	Uncompacted Voids	-	-	-	-	48.8%	42.0%
AASHTO T-176	Sand Equivalent	-	-	-	-	50%	80%
AASHTO T-19	Dry Rodded Unit Wt. (lbs./cu.ft)	102.4	105.2	103.2	101.6	114.0	108.0

AASHTO T-96 Resistance to Abrasion of Small Size Coarse Aggregate by use of Los Angeles Abrasion Machine					
Grading	B	Revolutions	500	Percent Loss (Average)	8.0