



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	97	100	98	93	100	100	100	100	100
1"	100	100	100	86	100	95	20	100	100	100	100	100
3/4"	99	100	100	82	95	80	4	92	100	100	100	100
1/2"	80	100	100	53	90	75	2	15	96	100	100	100
3/8"	46	94	100	42	85	52	2	3	32	97	100	100
#4	10	3	43	35	57	40	1	2	3	20	98	93
#8	2.5	1	3	24	35	26	1	1	2	2	67	77
#16	-	-	1	19	22	17	-	-	-	1	42	57
#30	-	-	-	16	15	15	-	-	-	-	31	32
#50	-	-	-	15	10	12	-	-	-	-	20	12
#100	-	-	-	10	7	9	-	-	-	-	15	5
#200	-	-	-	8	6	7	-	-	-	-	10	2

ASTM D-1557 Method C	Proctor	135.8	133.1	137.2
	Opt. Mc.	8.8	7.8	8.0

FM =	3.0	3.4
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AASHTO T-84 (Fine Aggregate)	Bulk Specific Gravity	2.838	2.851	2.836	2.825	2.785	2.597
	Specific Gravity (SSD)	2.871	2.862	2.876	2.876	2.827	2.639
AASHTO T-85 (Coarse Aggregate)	Apparent Specific Gravity	2.902	2.895	2.946	2.948	2.907	2.712
	Absorption	0.56%	0.60%	1.25%	1.30%	1.50%	1.62%

ASTM D-5821	Fractured Particles (1 face / 2 face)	100%	100%	100%	100%	-	-
ASTM D-4791	Flat / Elongated	3%	4%	5%	5%	-	-
AASHTO T-304	Uncompacted Voids	-	-	-	-	50.1%	42.2%
AASHTO T-176	Sand Equivalent	-	-	-	-	61%	79%
AASHTO T-19	Dry Rodded Unit Wt. (lbs./cu.ft)	100.4	104.0	104.4	102.6	115.0	110.4

AASHTO T-96 Resistance to Abrasion of Small Size Coarse Aggregate by use of Los Angeles Abrasion Machine					
Grading	A	Revolutions	500	Percent Loss (Average)	12.0
Grading	B	Revolutions	500	Percent Loss (Average)	9.0