



Source / Location	Contact Information	Rock Classification: Basalt
Trew Stone, LLC. 901 River Road East Deerfield, MA	Ph: (413) 665-7021 aggregate@asmg.com	

<b>AASHTO T-27</b>													
Sieve Analysis of Fine and Coarse Aggregate													
% Passing	3/4" Blend	7/16"	5/16"	ABC	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	100
1 1/2"	100	100	100	97	97	100	98	93	100	100	100	100	100
1"	100	100	100	86	86	100	82	20	100	100	100	100	100
3/4"	99	100	100	82	82	99	76	4	92	100	100	100	100
1/2"	80	100	100	80	80	91	73	2	15	96	100	100	100
3/8"	46	94	100	72	72	78	66	2	3	32	97	100	100
#4	11	3	43	51	51	52	45	1	2	3	20	98	93
#8	2.5	1	3	39	38	35	29	1	1	2	2	67	77
#16	-	-	1	30	29	22	18	-	-	-	1	42	57
#30	-	-	-	23	22	15	14	-	-	-	-	31	32
#50	-	-	-	19	17	10	12	-	-	-	-	20	12
#100	-	-	-	13	11	7	9	-	-	-	-	15	5
#200	-	-	-	10	9	6	7	-	-	-	-	10	2

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

FM =	3.0	3.4
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AASHTO T-84 (Fine Aggregate)	Bulk Specific Gravity	2.800	2.824	2.855	2.843	2.776	2.586
	Specific Gravity (SSD)	2.816	2.837	2.866	2.854	2.818	2.636
AASHTO T-85 (Coarse Aggregate)	Apparent Specific Gravity	2.846	2.86	2.887	2.876	2.897	2.721
	Absorption	0.50%	0.45%	0.40%	0.41%	1.50%	1.90%

ASTM D-5821	Fractured Particles (1 face / 2 face)	100%	100%	100%	100%	-	-
ASTM D-4791	Flat / Elongated	3%	0%	2%	4%	-	-
AASHTO T-304	Uncompacted Voids	-	-	-	-	50.6%	42.8%
AASHTO T-176	Sand Equivalent	-	-	-	-	44%	84%
AASHTO T-19	Dry Rodded Unit Wt. (lbs./cu.ft)	101.0	106.0	106.0	105.0	116.0	112.0

<b>AASHTO T-96</b>					
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)	11.0

