



Source / Location	Contact Information	Rock Classification: Granite
Mitchell Materials, LLC 20 Payne Road / Route 10 Winchester, NH	Ph: (603) 357-0881 aggregate@asmg.com	

AASHTO T-27 Sieve Analysis of Fine and Coarse Aggregate											
% Passing	Hard Pack	3" CR Gravel	3/4" CR Gravel	1 1/2 CR Gravel	1 1/2"	3/4"	1/2"	3/8"	Man Sand	Stone Dust	NFLD Sand
2"	100	90	100	100	100	100	100	100	100	100	100
1 1/2"	100	82	100	99	98	100	100	100	100	100	100
1"	98	76	100	89	63	100	100	100	100	100	100
3/4"	93	70	98	80	21	93	100	100	100	100	100
1/2"	84	59	88	67	4	28	88	100	100	100	100
3/8"	77	54	78	60	2	10	34	95	100	100	100
#4	63	40	58	45	1	2	4	22	98	99	91
#8	51	32	40	32	-	1	2	3	73	76	82
#16	39	25	30	23	-	-	1	1	44	51	60
#30	28	20	24	18	-	-	-	-	26	35	39
#50	16	15	19	14	-	-	-	-	14	21	21
#100	9	11	14	10	-	-	-	-	8	13	9
#200	4.7	7.2	10.8	7	-	-	-	-	4	6.5	3.8

ASTM D-1557 Method C	Proctor	139.3	143.6
	Opt. Mc.	6.2	5.8

FM =	3.3	3.0
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AASHTO T-84 (Fine Aggregate)	Bulk Specific Gravity	2.673	2.672	2.644	2.629	2.632	2.620
	Specific Gravity (SSD)	2.690	2.691	2.667	2.661	2.659	2.663
AASHTO T-85 (Coarse Aggregate)	Apparent Specific Gravity	2.719	2.725	2.703	2.715	2.706	2.737
	Absorption	0.6%	0.7%	0.8%	1.2%	1%	1.6%

ASTM D-5821	Fractured Particles (1 face / 2 face)	100%	100%	100%		-	-
ASTM D-4791	Flat / Elongated	0%	0%	0%		-	-
AASHTO T-304	Uncompacted Voids	-	-	-	-	51.5%	44.0%
AASHTO T-176	Sand Equivalent	-	-	-	-	70%	79%
AASHTO T-19	Dry Rodded Unit Wt. (lbs./cu.ft)	97	97	94	106	112	118

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)	22.0
Grading	B	Revolutions	500	Percent Loss (Average)	21.0