

Rock Type	Density (g/cc)	Unconfined Compressive Strength (UCS)	
		psi	Mpa
Amphibolite	3.07	61,350	423
Andesite	2.80	26,550	183
Argillite	2.80	19,700	136
Basalt	2.95	45,000	310
Chert	2.67	29,300	202
Conglomerate	2.70	23,900	165
Diabase	2.95	46,550	321
Diorite	3.00	39,750	274
Dolomite	2.60	19,000	131
Gabbro	3.00	44,800	309
Granite	2.65	37,700	260
Granodiorite	2.75	36,550	252
Greenstone	3.05	39,000	269
Hematite	5.05	88,000	607
Hornfels	3.20	77,300	533
Limestone	2.68	22,300	154
Marble	2.72	23,900	165
Marlstone	2.31	21,900	151
Meta-rhyolite	2.84	18,100	125
Quartz Monzonite	2.68	22,500	155
Phyllite	3.25	18,300	126
Quartzite	2.65	54,250	374
Sandstone	2.35	12,500	86
Schist	2.70	23,500	162
Carbonaceous Shale	2.30	16,250	112
Siltstone	2.75	37,100	256
Skarn	3.30	18,900	130
Syenite	2.80	50,000	345
Tactite	2.85	38,600	266