



Material Characteristics

Company

	Avg. Per Cu. Ft. Lbs.	Avg. Per Cu. Yds Lbs.
BASALT:		
Broken	122	3300
Solid	188	5076
BRICK:		
Common Red	120	3240
Fine Clay	150	4050
Silica	128	3456
Chrome	175	4725
Magnesia	160	4320
CEMENT:		
Portland	100	2700
Cinders	30	810
CLAY:		
Dry lumps	67	1822
Wet lumps	100	2700
Fine Clay	85	2295
Silica Cement	75	2025
Magnesia Cement	127	3429
Chrome Cement	135	3645
COAL AND COKE:		
Anthracite	54	1458
Bituminous	49	1323
Charcoal	13	351
Coke	26.3	710
CONCRETE:		
Cinders	110	2970
Stone or Gravel	145	3915
GYPSUM, crushed	100	2700
LIME:		
Quick, Loose Lump	53	1431
Quick, Fine	75	2025
Stone, Large Rocks	168	4538
Stone, Irregular Lumps	96	2592
MASONARY:		
Granite or Limestone	165	4455
Mortar	154	4158
Dry	138	3726
Sandstone	144	3888
METALS:		
Aluminum	165	4455
Brass, Cast	534	14418
Bronze	509	13743
Copper Cast	556	15012
Iron, Cast	450	15012
Iron, Wrought	485	13095
Lead, Cast	708	19116
Lead, Rolled	495	13365
Tin, Cast	459	12393
Zinc, Cast	440	11880
ROCK:		
Chalk	137	3669
Granite	175	5725
Gypsum	159	4298
Limestone	97	2625
Sandstone	147	3969
Pumice Stone	40	1080
Quartz	165	4455
Salt	49	1323
Shale	162	4374
Slate	175	4725
SAND:		
Dry & Loose	100	2700
Dry & Packed	110	2970
Wet & Packed	130	3510

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