

Granite Mortar and Pestle

Granite is a common type of intrusive, felsic, igneous rock which is granular and phaneritic in texture.

A worldwide average of the chemical composition of granite, by weight percent:

SiO ₂	72.04% (silica)
Al ₂ O ₃	14.42% (alumina)
K ₂ O	4.12%
Na ₂ O	3.69%
CaO	1.82%
FeO	1.68%
Fe ₂ O ₃	1.22%
MgO	0.71%
TiO ₂	0.30%
P ₂ O ₅	0.12%
MnO	0.05%

It is not easy to measure the hardness of Granite. Granite is a rock composed of multiple minerals, typical Quartz, Feldspar, Biotite and Hornblende. Each of the minerals has a unique hardness. In other words, we can measure the hardness of individual material but not easy of granite as a rock.