

Engineering properties of some igneous rocks in
Peninsular Malaysia

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The engineering properties of more than 100 samples of igneous rocks from 10 different areas in Peninsular Malaysia have been investigated. Rock types include several granitic rocks, rhyolite, andesite, dolerite, basalt and gabbro. The engineering properties investigated were porosity, dry density, Shore's hardness value, point load strength index, uniaxial compressive and tensile strengths, and the stress-strain behaviour.

This paper will discuss results of the investigation, and illustrate the correlation of some important properties which can be used during exploration work. Some of the rock mass properties will also be discussed.

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