



Evaluation of Brazilian tensile strength and fracture pattern in schistose sandstone

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Fracture patterns and strength of samples are considerably affected by the layer orientation.

The average BTS-value for the schistose sandstone for $\theta = 0^\circ$ and 90° is 7.0 and 1.6 MPa, respectively. As the strength of layer boundaries in the schistose sandstone is very low, local fracturing in layer boundaries occurs frequently before the final failure.

