

Petrophysical characteristics of peridotites preserved in a serpentinite body of Setogawa belt and its occurrence in Circum-Izu Massive Serpentine Belt

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We present petrophysical characteristics of serpentinitized peridotites obtained from Setogawa belt in the Oi-gawa valley. The peridotites are dominantly harzburgites with minor dunites. Olivine grain sizes within the peridotites are ranged from coarser grains (>3mm) to medium grains (~1mm) and show undulose extinctions as well as kink bands. The chemical compositions of both olivine and spinel are in the range of the olivine-spinel mantle array of Arai (1994).

Keywords: Serpentinite, Olivine, Spinel, Crystal-fabric