

MAGNETIC PROPERTIES OF CHOSEN NANOCOMPOSITES

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ABSTRACT *Magnetic properties of cores made of modern nanocomposites have been characterized in the paper. The dependence of energy dissipated per cycle as function of frequency has been approximated. Energy term related to eddy currents generated in different time-spatial scales has been described using a power law with a fractional exponent.*

Keywords: *nanocomposites, magnetic properties, modelling, micro-structure*