

ABSTRACT

A composite magnetic body used for a choke coil, etc. is formed by compression molding of a mixture of magnetic alloy powder containing iron (Fe) and nickel (Ni) as the main component, an insulating material and a binder of an acrylic resin. In the composite magnetic body, high packing rate of the magnetic alloy powder and good insulation between the powder particles stand together, exhibiting a low core loss and a high magnetic permeability. The composite magnetic body can be formed in various core pieces of complex shapes.