

ABSTRACT

A structure of an atomizing core includes, by mass, the following raw materials: 30-50 parts of main materials, 5-20 parts of low-melting point glass powder, 0-20 parts of carbon fibers, 0-20 parts of graphene, 0-30 parts of an additive, and 0-10 parts of a binder. The number of parts of at least one of the carbon fibers, the graphene and the additive is not zero. The main materials include at least one of alumina, bauxite and corundum; the additive is an aluminium dihydrogen phosphate solution with a mass fraction of 90%. Compared with existing silicone structure member, the structure member of an atomizing core has micro-pores and high strength, can effectively prevent oil leakage and dry burning when the atomizing core is used for atomization, and can protect a cotton core mounted therein; and the structure member is easy to prepare, low in cost, and easy to form.