ABSTRACT

The present invention provides a microporous ceramic atomizing core and method for preparing same. The microporous atomizing core includes raw materials in parts by mass as follows: 10 to 50 parts by mass of main material, 0 to 40 parts by mass of ceramic powder, 10 to 50 parts by mass of sintering aid, 0 to 20 parts by mass of pore-forming agent, 20 to 50 parts by mass of paraffin, and 0.1 to 2.0 parts by mass of surfactant. The main material includes at least one of diatomite, silicon dioxide aerogel powder and porous boron nitride, and the main material has a particle size of 200 mesh- 1500 mesh. The microporous ceramic atomizing core of the present invention improves the porosity and liquid locking capacity of the atomizing core by the addition of the main material with micropores and a high specific surface area, ensures the sufficient atomization of the atomized liquid, and strengthens the use experience of the atomizing core.

~~Disclosed in the present invention are a microporous ceramic atomization core and a preparation method therefor. The microporous atomization core comprises the following raw materials in parts by mass: 10-50 parts of a main material, 0-40 parts of a ceramic powder, 10-50 parts of a sintering aid, 0-20 parts of a pore-forming agent, 20-50 parts of paraffin, and 0.1-2.0 parts of a surfactant, wherein the main material comprises at least one of diatomite, a silica aerogel powder and porous boron nitride, and the main material has a particle size of 200-1500 meshes. The microporous ceramic atomization core of the present invention improves the porosity and liquid locking capacity of the atomization core by adding the main material having micropores and a high specific surface area, ensures the full atomization of an atomization liquid, and enhances the use experience of the atomization core.~~

<Figure 2>