CLAIMS

[Claim 1]

An aerogel composite being a dried product of a wet gel generated from a sol comprising a silica particle, and at least one selected from the group consisting of a silicon compound having a hydrolyzable functional group in a molecule, and a hydrolysis product of the silicon compound.

[Claim 2]

The aerogel composite according to claim 1, wherein the sol further comprises at least one selected from the group consisting of a polysiloxane compound having a reactive group in a molecule and a hydrolysis product of the polysiloxane compound.

[Claim 3]

The aerogel composite according to claim 1 or 2, wherein an average primary particle diameter of the silica particle is 1 to 500 nm.

[Claim 4]

The aerogel composite according to any one of claims 1 to 3, wherein a shape of the silica particle is spherical.

[Claim 5]

The aerogel composite according to any one of claims 1 to 4, wherein the silica particle is an amorphous silica particle.

[Claim 6]

The aerogel composite according to claim 5, wherein the amorphous silica particle is at least one selected from the group consisting of a fused silica particle, a fumed silica particle, and a colloidal silica particle.

[Claim 7]

A supporting member with an aerogel composite, comprising the aerogel composite according to any one of claims 1 to 6, and a supporting member carrying the aerogel composite.

[Claim 8]

A heat insulating material comprising the aerogel composite according to any one of claims 1 to 6.