SCOPE OF CLAIMS FOR PATENT

[Claim 1]

Silica spherical particles characterized in that, when particles having a size of 5 μm or more and imaged by an optical measurement are observed, the particle diameter of the particles, which is determined from the image, satisfies the following requirements.

Requirements: $D99 \leq 29$ μm, and 10 μm $\leq Dmode < D99$, and $D99/Dmode \leq 1.5$, and $Dmode \leq 20$ μm.

[Claim 2]

The silica spherical particles according to claim 1, characterized in that the silica spherical particles with a particle diameter of 5 μm or more and less than 10 μm have an average roundness of 0.98 or more, and the silica spherical particles with a particle diameter of 10 μm or more and less than 20 μm have an average roundness of 0.97 or more.

[Claim 3]

The silica spherical particles according to claim 1 or 2, characterized in that the slope n of Rosin-Rammler diagram at 10 to 20 μm is 3.5 or more.

[Claim 4]

The silica spherical particles according to any one of claims 1 to 3, characterized in that the volume ratio of the particles with a particle diameter of 1 μm or less measured by a laser particle size meter is less than 2.7%.

[Claim 5]

The silica spherical particles according to any one of claims 1 to 4, wherein the BET specific surface area is less than 4.0 m^2/g.

[Claim 6]

A resin mixture comprising the silica spherical particles according to claim 1 as a filler, and a resin.

[Claim 7]

A sealing material comprising the resin mixture according to claim 6.

[Claim 8]

A heat dissipating sheet comprising the resin mixture according to claim 6.