

ABSTRACT

SPHERICAL CRYSTALLINE SILICA PARTICLES, SPHERICAL SILICA PARTICLE MIXTURE, AND COMPOSITE MATERIAL

[Problem] To provide: spherical silica particles that have excellent dielectric properties and can have both excellent thermal properties and excellent fluidity; a spherical silica particle mixture; and a composite material. [Solution] Provided are: spherical silica particles characterized by containing at least 60% in total of crystalline cristobalite phase and crystalline quartz phase in which the average diameter of the polycrystalline grains constituting the crystalline cristobalite phase or quartz phase is 2 μm or more and a dielectric loss tangent at 10 GHz is 0.0020 or less as determined by the cut-off circular waveguide method (JIS R1660-1:2004); a spherical silica particle mixture containing the same; and a composite material.

FIG. 1