

INORGANIC COMPOSITION

ABSTRACT

The present invention provides an inorganic composition for use in information recording medium disc substrate and such, having an excellent surface property capable of sufficiently corresponding with a ramp load system for high density recording, a high degree of tolerability to high speed rotation, and high productivity at a low melting point. Specifically, this invention provides an inorganic composition containing one crystalline phase selected from the group consisting of α -quartz (α -SiO₂), lithium disilicate (Li₂Si₂O₅) and lithium monosilicate (Li₂SiO₃), or that contain at least a crystalline phase of lithium monosilicate (Li₂SiO₃), in which a mean particle diameter of a particle showing a crystalline phase contained in the inorganic composition is 1 μ m or less, a ring flexural strength is 300 MPa or more, and a surface roughness (an arithmetic mean roughness) thereof after a polishing process is 10Å or less.

Figure 1.