

ABSTRACT:

To provide a silica powder which is excellent in flowability and packing properties and which is less likely to form a flash, a process for its production, and a composition having it incorporated in at least one of a rubber and a resin, particularly a sealing
5 material.

A silica powder containing an ultrafine powder in an amount of from 0.1 to 20 mass% and having an average sphericity of at least 0.85, wherein the ultrafine powder has, as the particle size measured by a dynamic light scattering particle size distribution measuring apparatus, an average particle size of from 150 to 250 nm, a
10 content of particles having a particle size of at most 100 nm being less than 10 mass% (not including 0 mass%) and a content of particles having a particle size exceeding 100 nm and not exceeding 150 nm being from 10 to 50 mass%. A process for producing a silica powder, which comprises spraying a silica powder material to a high temperature zone of at least 1,750°C formed by a burner for heat treatment, wherein
15 the high temperature zone is formed in a range of from the forward end of the burner to 3.0-4.5 m therefrom, and to such a high temperature zone, a silica powder material containing from 0.05 to 10 mass% of a metal silicon powder is sprayed. A sealing material employing the silica powder of the present invention.