more and 1000 or less.

[5] The sintered body according to any of [1] to [4], wherein the sintered body comprises aluminum and at least one selected from the group consisting of magnesium, calcium, strontium, barium, lanthanum, neodymium and samarium.

[6] The sintered body according to any of [1] to [5], wherein the sintered body has a Vickers hardness of 12.3 GPa or less.

[7] The sintered body according to any of [1] to [6], wherein the sintered body has a total light transmittance of 20% or less.

[8] The sintered body according to any of [1] to [7], wherein the sintered body has a measured density of 5.4 g/cm^3 or more and 6.3 g/cm^3 or less.

[9] The sintered body according to any of [1] to [8], wherein the sintered body comprises crystal particles of the zirconia and crystal particles of a dispersed phase, and wherein an average crystal particle size of the crystal particles of the zirconia is smaller than an average crystal particle size of the crystal particles of the dispersed phase.

[10] The sintered body according to any of [1] to [9], wherein the sintered body comprises crystal particles of a dispersed phase, and wherein the crystal particles of the dispersed phase have an average aspect ratio of 1.5 or more and 3.5 or less.

SUMMARY

[0007a]

In an aspect of the present disclosure, there is provided a sintered body comprising zirconia containing at least one stabilizing element, wherein a content of the least one stabilizing element is less than 3.0 mol%, and wherein the sintered body has a peak at $2\theta = 34.0° \pm 0.2°$ in an XRD pattern.

DESCRIPTION OF EMBODIMENTS

[0008]

The sintered body of the present disclosure will be described using an example of an embodiment. Structures and parameters disclosed in the present description may be freely combined, and upper limits and lower limits disclosed in the present description may be freely combined.

[0009]

A sintered body in the present embodiment comprises zirconia containing a stabilizing element. The content of the stabilizing element is less than 3.0 mol%, and the sintered body has a peak at $2\theta = 34.0° \pm 0.2°$ in an XRD pattern.

[0010]

The zirconia contained in the sintered body in the present embodiment contains the stabilizing element. Specifically, the zirconia contains the stabilizing element in an