CLAIMS

[Claim 1]

A composition for use in sintered molded bodies, which is selected from:

(i) a composition for use in sintered molded bodies, wherein the use involves an acid degreasing step to remove a binder from green molded bodies, the composition comprising:

a sinterable metal powder and an organic binder,

wherein the organic binder comprises at least a polyacetal resin and a polyolefin resin,

a mass ratio of the polyolefin resin with respect to 100 parts by mass of the polyacetal resin is 10 to 200 parts by mass, and

a melt flow index of the polyacetal resin measured under the conditions of 190 °C, 2.16 kg in accordance with ASTM-D-1238-57T is 70 to 200 g/10 min; and

(ii) a composition for use in sintered molded bodies, wherein the use involves a thermal degreasing step to remove a binder from green molded bodies, the composition comprising:

a sinterable metal powder and an organic binder,

wherein the organic binder comprises at least a polyacetal resin and a polyolefin resin,

a mass ratio of the polyacetal resin in the organic binder is 5 to 45% by mass with respect to 100% by mass of the organic binder, and

a melt flow index of the polyacetal resin measured under the conditions of 190 °C, 2.16 kg in accordance with ASTM-D-1238-57T is 70 to 200 g/10 min.

[Claim 2]

The composition for use in sintered molded bodies according to claim 1, wherein a melt flow index (190 °C, 2.16 kg) of the polyolefin resin is 40 g/10 min or more.

[Claim 3]

The composition for use in sintered molded bodies according to claim 1 or 2, wherein 5 to 95 mass% of the polyacetal resin and 5 to 95 mass% of the

polyolefin resin are contained in the organic binder, based on a mass of the organic binder.

[Claim 4]

The composition for use in sintered molded bodies according to any one of claims 1 to 3, wherein 70 to 95 parts by mass of the sinterable metal powder is contained when the composition for use in sintered molded bodies is taken as 100 parts by mass.

[Claim 5]

The composition for use in sintered molded bodies according to any one of claims 1 to 4, wherein 5 to 60 mass% of a fluidity imparting agent is contained in the organic binder, based on the mass of the organic binder.

[Claim 6]

The composition for use in sintered molded bodies according to any one of claims 1 to 5, wherein the polyacetal resin comprises an oxymethylene unit and an oxyethylene unit.

[Claim 7]

The composition for use in sintered molded bodies according to any one of claims 1 to 6, wherein 5 to 50 mass% of the polyacetal resin is contained, based on the mass of the organic binder.

[Claim 8]

The composition for use in sintered molded bodies according to any one of claims 1 to 7, wherein the organic binder comprises a nitrogen-containing compound and a fatty acid metal salt.

[Claim 9]

A green molded body produced by molding the composition for use in sintered molded bodies according to any one of claims 1 to 8.

[Claim 10]

The green molded body according to claim 9, wherein a portion with a thickness of 1 mm or less is present at 100 mm^2 or more.