to the crosslinking agent (C) is 5 or more, and 30 or less.

[0004b]

In another aspect of the present disclosure, there is provided a sealing material that is a radiation-crosslinked body of the elastomer composition as disclosed herein.

[0004c]

In a further aspect of the present disclosure, there is provided a method for producing a sealing material, comprising a step of irradiating the elastomer composition as disclosed herein or a crosslinked product of the elastomer composition with radiation.

Technical Problem

[0005]

However, as a sealing material formed from a conventional elastomer composition as described in Patent Literature 1 above, in particular, a sealing material to be used in such applications where generation of particles, for example, in a plasma atmosphere is a problem, a sealing material to which no filler is added or to which a small amount of filler is added is used, but there is room for improvement in these sealing materials in terms of tensile stress at 100% elongation (100% Mo).

[0006]

One embodiment of the present invention provides an

CLAIMS

[Claim 1]

An elastomer composition comprising:

a crosslinkable fluoroelastomer (A) other than a perfluoroelastomer, an ethylenically unsaturated bond-containing compound (B), a crosslinking agent (C), and a crosslinking aid (D),

wherein the ethylenically unsaturated bond-containing compound (B) comprises at least one selected from compounds having a perfluoro skeleton having an ethylenically unsaturated bond and compounds having a siloxane skeleton having an ethylenically unsaturated bond, and

a mass ratio of a content of the crosslinking aid (D) to the crosslinking agent (C) is 5 or more, and 30 or less.

[Claim 2]

The elastomer composition according to claim 1, wherein the elastomer (A) is a peroxide-crosslinkable fluoroelastomer.

[Claim 3]

The elastomer composition according to claim 1 or 2, wherein a content of the ethylenically unsaturated bond-containing compound (B) is 0.5 to 50 parts by mass based on 100 parts by mass of a content of the elastomer (A).

[Claim 4]

The elastomer composition according to any one of claims 1 to 3, wherein a content of the crosslinking aid (D) is 1 to 10 parts by mass based on 100 parts by mass of a content of the elastomer (A).

[Claim 5]

The elastomer composition according to any one of claims 1 to 4, wherein a content of a filler is 5 parts by mass or less based on 100 parts by mass of the elastomer (A).

[Claim 6]

A sealing material that is a radiation-crosslinked body of the elastomer composition according to any one of claims 1 to 5.

[Claim 7]

A method for producing a sealing material, comprising a step of irradiating the elastomer composition according to any one of claims 1 to 5 or a crosslinked product of the elastomer composition with radiation.