66 to 68% by mass and a crosslinkable fluoroelastomer (A2) that is other than a perfluoroelastomer and has a fluorine content in a range of 69 to 73% by mass.

[0004b]

In another aspect of the present disclosure, there is provided a method for producing a sealing material, the method comprising a step of irradiating an elastomer composition comprising a crosslinkable fluoroelastomer (A) other than a perfluoroelastomer, a crosslinking agent, and a crosslinking aid or a crosslinked product of the elastomer composition with radiation,

wherein the fluoroelastomer (A) comprises a crosslinkable fluoroelastomer (A1) that is other than a perfluoroelastomer and has a fluorine content in a range of 66 to 68% by mass and a crosslinkable fluoroelastomer (A2) that is other than a perfluoroelastomer and has a fluorine content in a range of 69 to 73% by mass.

Technical Problem

[0005]

As described above, when an additive is blended in a crosslinkable fluoroelastomer to form an elastomer composition, the components in the elastomer composition need to be uniformly mixed in order to produce a sealing material

exhibiting desired physical properties from the elastomer composition.

However, when a conventional crosslinkable

CLAIMS

[Claim 1]

A sealing material that is a radiation-crosslinked body of an elastomer composition comprising a crosslinkable fluoroelastomer (A) other than a perfluoroelastomer, a crosslinking agent, and a crosslinking aid,

wherein the fluoroelastomer (A) comprises a crosslinkable fluoroelastomer (A1) that is other than a perfluoroelastomer and has a fluorine content in a range of 66 to 68% by mass and a crosslinkable fluoroelastomer (A2) that is other than a perfluoroelastomer and has a fluorine content in a range of 69 to 73% by mass.

[Claim 2]

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

[Claim 3]

The sealing material according to claim 1 or 2, wherein the elastomer composition comprises at least one ethylenically unsaturated bond-containing compound selected from compounds having a perfluoro skeleton having an ethylenically unsaturated bond and compounds having a siloxane skeleton having an ethylenically unsaturated bond.

[Claim 4]

The sealing material according to any one of claims 1 to 3, wherein a content of a filler is 5 parts by mass or less based on 100 parts by mass of the fluoroelastomer (A).

[Claim 5]

A method for producing a sealing material, the method comprising a step of irradiating an elastomer composition comprising a crosslinkable fluoroelastomer (A) other than a perfluoroelastomer, a crosslinking agent, and a crosslinking aid or a crosslinked product of the elastomer composition with radiation,

wherein the fluoroelastomer (A) comprises a crosslinkable fluoroelastomer (A1) that is other than a perfluoroelastomer and has a fluorine content in a range of 66 to 68% by mass and a crosslinkable fluoroelastomer (A2) that is other than a perfluoroelastomer and has a fluorine content in a range of 69 to 73% by mass.