CLAIMS

[Claim 1]

A saponified ethylene-vinyl ester-based copolymer pellet comprising a saponified ethylene-vinyl ester-based copolymer and a conjugated polyene,

wherein an amount (SC) of the conjugated polyene is 30ppb or more as determined by the following method:

20g of the saponified ethylene-vinyl ester-based copolymer pellets being agitated at room temperature for 10 minutes in 30 mL of liquid containing distilled water and methanol at a mix ratio of 1:1 in volume, and analyzing an amount of the extracted conjugated polyene

and wherein a ratio of the amount (SC) of the conjugated polyene to a total amount (TC) of the conjugated polyene contained in the saponified ethylene-vinyl ester-based copolymer pellet, SC/TC, is 0.015 % by weight or more.

[Claim 2]

The saponified ethylene-vinyl ester-based copolymer pellet according to claim 1, wherein the total amount (TC) of conjugated polyene contained in the saponified ethylene-vinyl ester-based copolymer pellet is from 0.1 to 10000ppm.

[Claim 3]

The saponified ethylene-vinyl ester-based copolymer pellet according to claim 1 or 2, wherein the conjugated polyene is at least one selected from the group consisting of sorbic acid, sorbic acid ester, and sorbic acid salt.

[Claim 4]

A method for producing a saponified ethylene-vinyl ester-based copolymer pellet comprising,

contacting a saponified ethylene-vinyl ester-based copolymer pellet with a treatment liquid containing a conjugated polyene to obtain a saponified ethylene-vinyl ester-based copolymer pellet in which an amount of conjugated polyene is 30ppb or more measured by a method below:

20g of the saponified ethylene-vinyl ester-based copolymer pellets being agitated at room temperature for 10 minutes in 30 mL of liquid containing distilled water and methanol at a mix ratio of 1:1 in volume, and analyzing an amount of the extracted conjugated polyene.

[Claim 5]

The producing method according to claim 4, wherein the saponified ethylene-vinyl ester-based copolymer pellet is a porous pellet.

[Claim 6]

The producing method according to claim 4 or 5, wherein the saponified ethylene-vinyl ester-based copolymer pellet is a pellet obtained by pelletizing an alcohol solution containing the ethylene-vinyl ester-based copolymer.

[Claim 7]

The producing method according to any one of claims 4 to 6, further comprising adding a conjugated polyene as a polymerization inhibitor in production of ethylene-vinyl ester-based copolymer.

[Claim 8]

The producing method according to any one of claims 4 to 7, wherein the treatment liquid contains at least one selected from the group consisting of boron compound, acetic acid, and acetate.