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 of the conjugated polyene determined by a below method is 30ppb or more:

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 2]

The saponified ethylene-vinyl ester-based copolymer pellet according to claim 1, wherein a ratio of the amount (SC) of the conjugated polyene determined by the method described in claim 1 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 3]

The saponified ethylene-vinyl ester-based copolymer pellet according to claim 1 or 2, wherein the total amount of conjugated polyene contained in the saponified ethylene-vinyl ester-based copolymer pellet is from 0.1 to 10000ppm.

[Claim 4]

The saponified ethylene-vinyl ester-based copolymer pellet according to any one of claims 1 to 3, wherein the conjugated polyene is at least one selected from the group consisting of sorbic acid, sorbic acid ester, and sorbic acid salt.

[Claim 5]

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 6]

The producing method according to claim 5, wherein the saponified ethylene-vinyl ester-based copolymer pellet is a porous pellet.

[Claim 7]

The producing method according to claim 5 or 6, 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 8]

The producing method according to any one of claims 5 to 7, further comprising adding a conjugated polyene as a polymerization inhibitor in production of ethylene-vinyl ester-based copolymer.

[Claim 9]

The producing method according to any one of claims 5 to 8, wherein the treatment liquid contains at least one selected from the group consisting of boron compound, acetic acid, and acetate.

[Claim 10]

A method for reducing fish eye in a melt molded article of comprising a saponified ethylene-vinyl ester-based copolymer comprising

employing either a plurality of saponified ethylene-vinyl ester-based copolymer pellets or mixture of the saponified ethylene-vinyl ester-based copolymer pellet and an optional other thermoplastic resin pellet as a raw material for the melt-molded article,

wherein an amount of a conjugated polyene in the saponified ethylene-vinyl ester-based copolymer pellet is 30ppb or more measured by the below 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.