Claims

[Claim 1]

A block copolymer composition, comprising 20% by mass or more and 90% by mass or less of a component (A) and 10% by mass or more and 80% by mass or less of a component (B),

wherein the component (A) is a block copolymer having a polymer block (Ar) mainly comprising a vinyl aromatic monomer unit and a polymer block (D) mainly comprising a conjugated diene monomer unit, and having a weight-average molecular weight of 30,000 or higher and 190,000 or lower; and

the component (B) is a block copolymer having a polymer block (Ar) mainly comprising a vinyl aromatic monomer unit and a polymer block (D) mainly comprising a conjugated diene monomer unit, and having a weight-average molecular weight of 60,000 or higher and 500,000 or lower,

wherein a hydrogenation ratio of the conjugated diene monomer units in the component (A) and the component (B) is 10 to 80% by mol;

a ratio of a weight-average molecular weight of the component (B) to a weight-average molecular weight of the component (A) is 1.3 to 10; and

wherein the content of the vinyl aromatic monomer units is 5% by mass or higher and lower than 35% by mass

based on 100% by mass of the component (A) and the component (B).

[Claim 2]

The block copolymer composition according to claim 1, wherein a vinyl bond content of the conjugated diene monomer units in the component (A) and the component (B) before hydrogenation is 5% by mol or larger and smaller than 30% by mol based on a total amount of the conjugated diene monomer units in the component (A) and the component (B).

[Claim 3]

The block copolymer composition according to claim 1 or 2, wherein the component (B) comprises a block copolymer having at least two of the polymer block (Ar) and at least one of the polymer block (D).

[Claim 4]

The block copolymer composition according to any one of claims 1 to 3, wherein the weight-average molecular weight of the component (B) is 100,000 or higher and 500,000 or lower.

[Claim 5]

The block copolymer composition according to any one of claims 1 to 4, wherein the component (B) comprises a block copolymer(s) represented by formulae Ar-D-Ar, $(Ar-D)_2X$, D-Ar-D-Ar and/or $(D-Ar-D)_2X$ (wherein X represents a residue of a coupling agent or a residue of a polymerization initiator).

[Claim 6]

The block copolymer composition according to any one of claims 1 to 4, wherein the component (B) comprises a three-branched block copolymer(s) represented by formulae $(D\text{-}Ar\text{-}D)_3\text{-}X$ and/or $(Ar\text{-}D)_3\text{-}X$ (wherein X represents a residue of a coupling agent or a residue of a polymerization initiator).

[Claim 7]

The block copolymer composition according to any one of claims 1 to 4, wherein the component (B) comprises a four-branched block copolymer(s) represented by formulae $(D\text{-}Ar\text{-}D)_4\text{-}X$ and/or $(Ar\text{-}D)_4\text{-}X$ (wherein X represents a residue of a coupling agent or a residue of a polymerization initiator).

[Claim 8]

The block copolymer composition according to any one of claims 5 to 7, wherein the coupling agent comprises a halogen-free coupling agent.

[Claim 9]

The block copolymer composition according to any one of claims 1 to 8, wherein the content of the vinyl aromatic monomer units is 5% by mass or higher and lower than 30% by mass based on 100% by mass of the component (A) and the component (B).

[Claim 10]

The block copolymer composition according to any one of claims 1 to 9, wherein the content of the vinyl

aromatic monomer units is 5% by mass or higher and lower than 20% by mass based on 100% by mass of the component (A) and the component (B).

[Claim 11]

An adhesive composition, comprising:

100 parts by mass of a block copolymer composition according to any one of claims 1 to 10;

1 to 600 parts by mass of a tackifier; and

0 to 200 parts by mass of a softening agent.

[Claim 12]

The adhesive composition according to claim 11, wherein a content of the tackifier is 50 to 400 parts by mass.

[Claim 13]

The adhesive composition according to claim 11 or 12, further comprising a vinyl aromatic elastomer.

[Claim 14]

The adhesive composition according to any one of claims 11 to 13, further comprising a conjugated diene rubber.

[Claim 15]

The adhesive composition according to any one of claims 11 to 14, further comprising a natural rubber.