Claim 1

An asphalt composition, comprising

0.5 parts by mass or more and 20 parts by mass or less of a block copolymer, and

100 parts by mass of an asphalt;

wherein the block copolymer comprises a polymer block (A) comprising a vinyl aromatic monomer unit in a proportion of more than 95% by mass and 100% by mass or less, and a copolymer block (B) comprising a conjugated diene monomer unit and a vinyl aromatic monomer unit; the content of the vinyl aromatic monomer unit in the block copolymer being 20% by mass or more and 60% by mass or less;

wherein a content of the polymer block (A) in the block copolymer is 10% by mass or more and 40% by mass or less;

wherein a hydrogenation rate of a double bond in the conjugated diene monomer unit of the block copolymer is 40% or more and 100% or less;

wherein the asphalt has a colloidal index ((a saturate fraction content+an asphaltene fraction content)/(a resin fraction content+an aromatic fraction content)) of 0.31 or more and 0.54 or less, and a saturate fraction content of 11% by mass or less; and

wherein the block copolymer has a peak top of a loss tangent in the range of -70℃ or more and 0℃ or less in a spectrum of a dynamic viscoelasticity, and a value of the peak top is 0.8 or more and 1.6 or less.

Claim 2

The asphalt composition according to claim 1, wherein the block copolymer has a peak top of a loss tangent in the range of -45℃ or more and -20℃ or less in the spectrum of the dynamic viscoelasticity.

Claim 3

The asphalt composition according to claim 1, wherein the colloidal index (Ci) of the asphalt and the peak temperature (Tg(℃)) of the loss tangent in the spectrum of the dynamic viscoelasticity of the block copolymer satisfy the following relationship:

$Ci \leq 0.0127 \times Tg + 0.94$.

Claim 4

The asphalt composition according to claim 1, wherein the hydrogenation rate of the double bond in the conjugated diene monomer unit of the block copolymer is 50% or more and 90% or less.

Claim 5

The asphalt composition according to claim 1, wherein the hydrogenation rate of the double bond in the conjugated diene monomer unit of the block copolymer is 60% or more and 90% or less.

Claim 6

The asphalt composition according to claim 1, wherein the conjugated diene monomer unit of the block copolymer comprises a conjugated diene monomer unit (a) derived from a 1,2-bond and/or a 3,4-bond and a conjugated diene monomer unit (b) derived from a 1,4-bond, and

wherein a total content of the conjugated diene monomer units is 100% by mass,

wherein a content of an alkenyl monomer unit (a1) in the conjugated diene monomer unit (a) hydrogenated is 10% by mass or more and 50% by mass or less,

wherein a content of an alkenyl monomer unit (b1) in the conjugated diene monomer unit (b) hydrogenated is 0% by mass or more and 80% by mass or less, and

wherein a sum of contents of a non-hydrogenated conjugated diene monomer unit (a2) after hydrogenation and a non-hydrogenated conjugated diene monomer unit (b2) after hydrogenation is 0% by mass or more and 90% by mass or less.

Claim 7

The asphalt composition according to claim 1, wherein the block copolymer has a weight average molecular weight of 50000 or more and 300000 or less.

Claim 8

The asphalt composition according to claim 1, wherein the block copolymer has at least one functional group selected from the group consisting of a hydroxyl group, an acid anhydride group, an epoxy group, an amino group, an amide group, a silanol group, and an alkoxysilane group.

Claim 9

The asphalt composition according to claim 1, wherein a content of the conjugated diene monomer unit (a) derived from a 1,2-bond and/or a 3,4-bond is 10% by mass or more and 50% by mass or less based on the total content of the conjugated diene monomer units of the block copolymer.

Claim 10

The asphalt composition according to claim 1, wherein the asphalt has a penetration of more than 60 and 80 or less.