CLAIMS

1. A block polymer comprising:

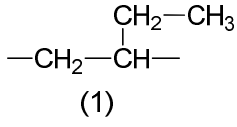
two or more polymer block As each having a value β of 0.20 or less represented by the following equation (ii); and

a functional group F comprising at least one element selected from a group consisting of nitrogen, silicon, oxygen, and sulfur in a part or all of the initiating terminals of the two or more polymer block As,

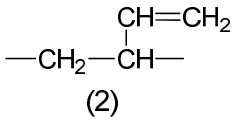
wherein the block polymer has a value α of 0.75 or more represented by the following equation (i), where p is defined as a component proportion (molar proportion) of a structural unit represented by the following formula (1), q is defined as a component proportion (molar proportion) of a structural unit represented by the following formula (2), r is defined as a component proportion (molar proportion) of a structural unit represented by the following formula (3), and s is defined as a component proportion (molar proportion) of a structural unit represented by the following formula (4), in the polymer

$$\alpha = (p + (0.5 \times r))/(p + q + (0.5 \times r) + s)...(i)$$

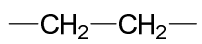
$$\beta = (p + q)/(p + q + (0.5 \times r) + s)...(ii)$$



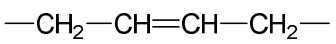
(1)



(2)



(3)



(4)

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2. The block polymer according to claim 1,

wherein the block polymer has a structure in which two or more polymer chains having the polymer block A bond to a partial structure E derived from a coupling agent.

3. The block polymer according to claim 2,

wherein the block polymer has a structure in which four or more polymer chains having the polymer block A bond to the partial structure E.

4. The block polymer according to claim 2 or 3,

wherein the polymer block A is arranged at an end of the block polymer, and

the block polymer has the functional group F at a terminal of the block polymer.

5. The block polymer according to any one of claims 2 to 4,
wherein the coupling agent has a functional group containing nitrogen.

6. The block polymer according to any one of claims 1 to 5,
wherein the functional group F comprises at least one selected from a group consisting of a primary amino group, a secondary amino group, a tertiary amino group, and an imide group.

7. The block polymer according to any one of claims 1 to 6,
wherein the block polymer is modified with maleic anhydride.

8. The block polymer according to any one of claims 1 to 7, further comprising:
a polymer block B having the value β of 0.25 or more.

9. The block polymer according to claim 8,
wherein the polymer block B has a structural unit derived from a conjugated diene compound and a structural unit derived from an aromatic vinyl compound.

10. A polymer mixture comprising:
the block polymer according to any one of claims 1 to 9; and
a block polymer having one polymer block A and having the value α of 0.75 or more.

11. An adhesive, which is obtained using the block polymer according to any one of claims 1 to 9.