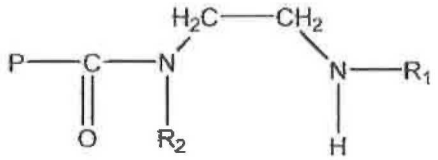
Claims

[Claim 1]

A conjugated diene-based polymer comprising at least one conjugated diene monomer, wherein 40% or more of an end thereof is an end having an amino group and an amide group, and an indicator b* value of yellowness, as measured with a colorimetric color difference meter, is 15 or less, wherein the end having the amino group and the amide group comprises an end having a structure represented by the following formula (I):



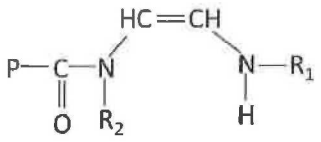
(I)

wherein P represents a conjugated diene-based polymer comprising at least one conjugated diene monomer, and R_1 and R_2 each independently represent a hydrocarbon group having 1 to 20 carbon atoms.

[Claim 2]

The conjugated diene-based polymer according to claim 1, wherein the end having the amino group and

the amide group further comprises an end having a structure represented by the following formula (IV), and the indicator b* value of yellowness, as measured with a colorimetric color difference meter, is 15 or less:



(IV)

wherein P represents a conjugated diene-based polymer comprising at least one conjugated diene monomer, and R_1 and R_2 each independently represent a hydrocarbon group having 1 to 20 carbon atoms.

[Claim 3]

The conjugated diene-based polymer according to claim 1 or 2, wherein the b* value is 9 or less.

[Claim 4]

A method for producing a conjugated diene-based polymer, comprising:

are regulated so that (A) × (B) is 0.5 or less as shown by formula 3:

Formula 1: (A) = (Compound (II)/(Compound (II) + Compound (III))) × 100

Formula 2: (B) = ([Compound (II)] + [Compound (III)])/[Li]

Formula 3: (A) × (B) ≤ 0.5.

[Claim 5]

A polymer composition comprising:

(a) 1 to 99 parts by weight of the conjugated diene-based polymer according to any one of claims 1 to 3 or a conjugated diene-based polymer obtained by the method according to claim 4, and

(b) 99 to 1 part by weight of a thermoplastic polymer and/or a rubber polymer.