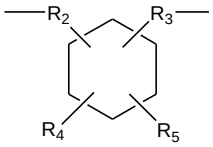
CLAIMS

1. A resin composition comprising an (A) maleimide compound having a saturated or unsaturated divalent hydrocarbon group, and a thermoplastic resin, wherein the hydrocarbon group is a group represented by the following formula (II):



(II)

wherein in the formula (II), R_2 and R_3 each independently represent an alkylene group having 4 to 50 carbon atoms; R_4 represents an alkyl group having 4 to 50 carbon atoms; and R_5 represents an alkyl group having 2 to 50 carbon atoms,

wherein the content of the thermoplastic resin is 10 to 50% by mass based on the total amount of resin components contained in the resin composition.

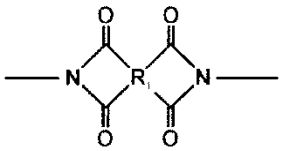
2. The resin composition according to claim 1, wherein the number of carbon atoms of the hydrocarbon group is 8 to 100.

3. A resin composition comprising an (A) maleimide compound having a saturated or unsaturated divalent hydrocarbon group, and a thermoplastic resin, wherein the (A) maleimide compound having a saturated or unsaturated divalent hydrocarbon group further has a divalent group having at least two imido bonds,

wherein the content of the thermoplastic resin is 10 to 50% by mass based on the total amount of resin components contained in the resin composition.

4. The resin composition according to claim 3, wherein the number of carbon atoms of the hydrocarbon group is 8 to 100.

5. The resin composition according to claim 3, wherein the divalent group having at least two imido bonds is a group represented by the following formula (I):

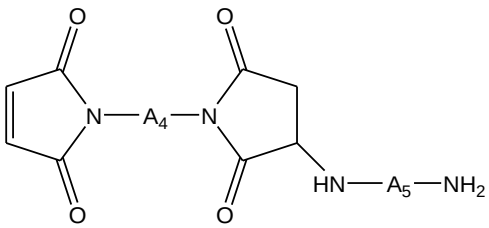


(I)

wherein in the formula (I), R_1 represents a tetravalent organic group.

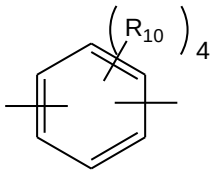
6. The resin composition according to any one of claims 1 to 5, further comprising a (B) aromatic maleimide compound having a structure having a maleimido group bonded to an aromatic ring.

7. The resin composition according to claim 6, wherein the (B) aromatic maleimide compound is a compound represented by the following formula (VI):



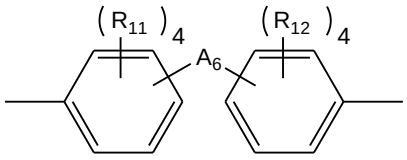
(VI)

wherein in the formula (VI), A_4 represents a residue represented by the following formula (VII), (VIII), (IX) or (X); and A_5 represents a residue represented by the following formula (XI):



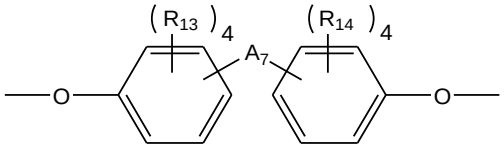
(VII)

wherein in the formula (VII), R_{10} each independently represent a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom,



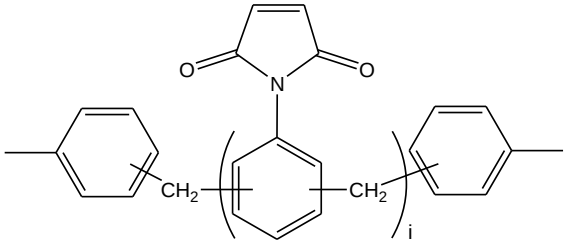
(VIII)

wherein in the formula (VIII), R_{11} and R_{12} each independently represent a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; and A_6 represents an alkylene group or an alkylidene group having 1 to 5 carbon atoms, an ether group, a sulfide group, a sulfonyl group, a carbonyl group, a single bond or a residue represented by the following formula (VIII-1):



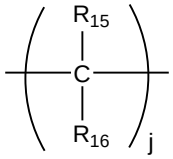
(VIII-1)

wherein in the formula (VIII-I), R_{13} and R_{14} each independently represent a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; and A_7 represents an alkylene group having 1 to 5 carbon atoms, an isopropylidene group, an ether group, a sulfide group, a sulfonyl group, a carbonyl group or a single bond,



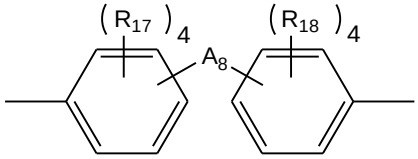
(IX)

wherein in the formula (IX), i is an integer of 1 to 10,



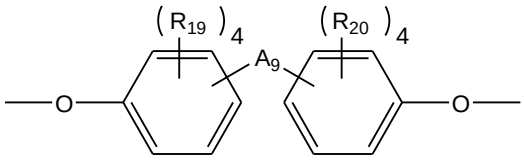
(X)

wherein in the formula (X), R_{15} and R_{16} each independently represent a hydrogen atom or an aliphatic hydrocarbon group having 1 to 5 carbon atoms; and j is an integer of 1 to 8,



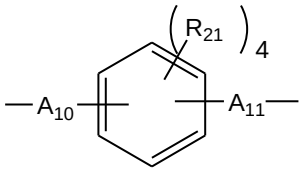
(XI)

wherein in the formula (XI), R_{17} and R_{18} each independently represent a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms, an alkoxy group having 1 to 5 carbon atoms, a hydroxyl group or a halogen atom; and A_8 represents an alkylene group or an alkylidene group having 1 to 5 carbon atoms, an ether group, a sulfide group, a sulfonyl group, a carbonyl group, a fluorenylene group, a single bond, a residue represented by the following formula (XI-1) or a residue represented by the following formula (XI-2):



(XI-1)

wherein in the formula (XI-I), R_{19} and R_{20} each independently represent a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; and A_9 represents an alkylene group having 1 to 5 carbon atoms, an isopropylidene group, a m-phenylenediisopropylidene group, a p-phenylenediisopropylidene group, an ether group, a sulfide group, a sulfonyl group, a carbonyl group or a single bond, and



(XI-2)

wherein in the formula (XI-2), R_{21} each independently represent a hydrogen atom, an aliphatic hydrocarbon group having 1 to 5 carbon atoms or a halogen atom; and A_{10} and A_{11} each independently represent an alkylene group having 1 to 5 carbon atoms, an isopropylidene group, an ether group, a sulfide group, a sulfonyl group, a carbonyl group or a single bond.

8. The resin composition according to any one of claims 1 to 7, wherein a weight-average molecular weight of the (A) maleimide compound having a saturated or unsaturated divalent hydrocarbon group is 500 to 10000.

9. A laminate comprising:

a resin layer comprising a cured substance of the resin composition according to any one of claims 1 to 8; and

a conductor layer.

10. A multilayer printed wiring board comprising:

a resin layer comprising a cured substance of the resin composition according to any one of claims 1 to 8; and

circuit layers.