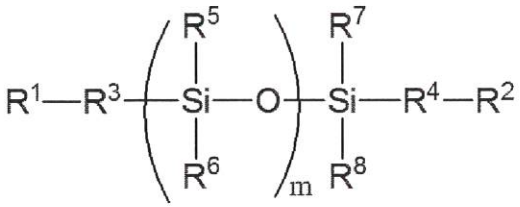
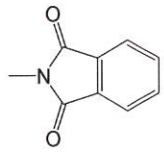
film layer, (B) an adhesive layer, and (C) a support film layer, wherein the protective film layer (A) is laminated on the surface of the adhesive layer (B), and wherein the adhesive layer (B) contains at least a siloxane polymer represented by the general formula (1) and a polyimide resin



(1)

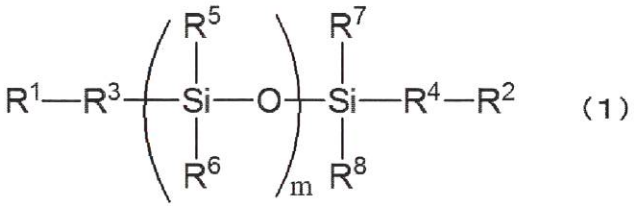
wherein m is an integer of 10 or more and 100 or less, R^1 and R^2 may be the same or different and each represent an amino group or a monovalent organic group represented by the general formula (4) or (5), R^3 and R^4 may be the same or different and each represent an alkylene group having 1 to 30 carbon atoms or a phenylene group, and R^5 to R^8 may be the same or different and each represent an alkyl group having 1 to 30 carbon atoms, an alkenyl group, an alkoxy group, a phenyl group, or a phenoxy group; or



(4)

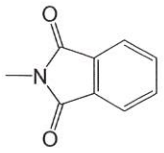
CLAIMS

1. A laminate film for temporary bonding, comprising at least three layers of (A) a protective film layer, (B) an adhesive layer, and (C) a support film layer, wherein the protective film layer (A) is laminated on the surface of the adhesive layer (B), and wherein the adhesive layer (B) contains at least a siloxane polymer represented by the general formula (1) and a polyimide resin

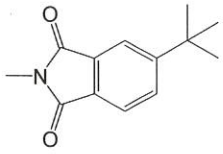


(1)

wherein m is an integer of 10 or more and 100 or less, R^1 and R^2 may be the same or different and each represent an amino group or a monovalent organic group represented by the general formula (4) or (5), R^3 and R^4 may be the same or different and each represent an alkylene group having 1 to 30 carbon atoms or a phenylene group, and R^5 to R^8 may be the same or different and each represent an alkyl group having 1 to 30 carbon atoms, an alkenyl group, an alkoxy group, a phenyl group, or a phenoxy group; or

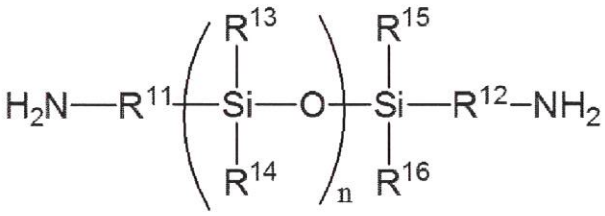


(4)



(5)

2. The laminate film for temporary bonding according to claim 1, wherein the polyimide resin contains a residue of a polysiloxane diamine represented by the general formula (3), and contains 60 mol% or more and 90 mol% or less of the residue of the polysiloxane diamine in all diamine residues:



(3)

wherein n is a natural number, and has an average value calculated from the average molecular weight of the polysiloxane diamine of 1 or more and 100 or less, R^{11} and R^{12} may be the same or different and each represent an alkylene group having 1 to 30 carbon atoms or a phenylene group, and R^{13} to R^{16} may be the same or different and each represent an alkyl group having 1 to 30 carbon atoms, a phenyl group, or a phenoxy