Claims

[Claim 1]

A curable resin composition comprising:

a compound represented by the following formula (1);

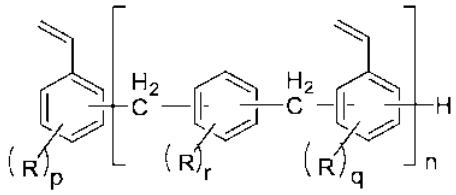
a polyphenylene ether compound; and

a compound having one ethylenically unsaturated double bond in the molecule,

wherein an amount of the compound having one ethylenically unsaturated double bond in the molecule is 1 to 50 parts by mass, relative to 100 parts by mass of the compound represented by formula (1), and

the compound having one ethylenically unsaturated double bond in the molecule is a compound having an acenaphthylene structure in the molecule,

[Chem. 1]



(1)

in formula (1), a plurality of R each independently represent a hydrocarbon group having 1 to 10 carbon atoms, or a halogenated alkyl group having 1 to 10 carbon atoms,

p and r each represent an integer of 0 to 4,

q represents an integer of 0 to 3, and

n represents the average number of repetitions, and satisfies $1 \leqq n \leqq 20$.

[Claim 2]

A curable resin composition comprising:

a compound represented by the following formula (1);

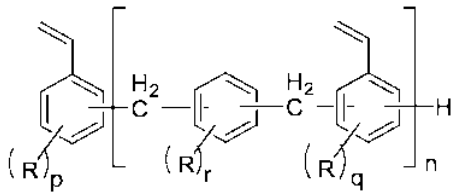
a polyphenylene ether compound; and

a compound having one ethylenically unsaturated double bond in the molecule,

wherein an amount of the compound having one ethylenically unsaturated double bond in the molecule is 1 to 50 parts by mass, relative to 100 parts by mass of the compound represented by formula (1), and

the compound having one ethylenically unsaturated double bond in the molecule is a compound having a maleimide structure in the molecule,

[Chem. 2]



(1)

in formula (1), a plurality of R each independently represent a hydrocarbon group having 1 to 10 carbon atoms, or a halogenated alkyl group having 1 to 10 carbon atoms,

p and r each represent an integer of 0 to 4,

q represents an integer of 0 to 3, and

n represents the average number of repetitions, and satisfies $1 \leqq n \leqq 20$.

[Claim 3]

The curable resin composition according to claim 1 or 2, further comprising a polymerization initiator.

[Claim 4]

The curable resin composition according to claim 1 or 2, further comprising at least one selected from the group consisting of: a maleimide compound having two or more maleimide groups in the molecule, a compound having two or more ethylenically unsaturated

bonds in the molecule, a cyanate ester resin, polybutadiene, hydroxy-terminated polybutadiene, (meth)acrylate-terminated polybutadiene, carboxylic acid-terminated polybutadiene, amine-terminated polybutadiene, styrene butadiene rubber, polystyrene, styrene-2-isopropenyl-2-oxazoline copolymers, SEP (styrene-ethylene-propylene copolymer), SEPS (styrene-ethylene-propylene-styrene copolymer), SEEPS (styrene-ethylene/ethylene-propylene-styrene block copolymer), SEBS (styrene-ethylene-butylene-styrene block copolymer), SEEPS-OH (a styrene-ethylene/ethylene propylene-styrene block copolymer having a hydroxy group at the end), SIS (styrene-isoprene-styrene block copolymer), hydrogenated SIS (hydrogenated styrene-isoprene-styrene block copolymer), SIBS (styrene-isobutylene-styrene block copolymer), and polyethylene, ethylene-propylene copolymers, ethylene-styrene copolymers, ethylene-propylene-ethylidene norbornene copolymers, ethylene-propylene-vinyl norbornene copolymers, ethylene-vinyl alcohol copolymers, ethylene-vinyl acetate copolymers.

[Claim 5]

A cured product obtained by curing the curable resin composition according to claim 1 or 2.