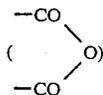


TABLE 10-continued

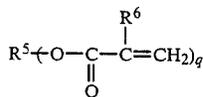
Run No.	First Treatment			Second Treatment					
	Liquid (I) Polymer (parts by weight)	Liquid (II)		Polymer (parts by weight)	Liquid (I')	Peroxide Catalyst (parts by weight)	Amine Catalyst (parts by weight)	Liquid (II')	Adhesive Strength (Kg/cm ²) to Dentin
		Organic Titanate (parts by weight)	Stabilizer (parts by weight)		Polymerizable Vinyl Compound (parts by weight)			Promotor (parts by weight)	
2	copolymer of Production Example 1 (10)	tetra-n-butyl titanate (2)	2-hydroxyethyl methacrylate (1)	SMA-1000 (10)	2-hydroxyethyl methacrylate (30), triethylene glycol dimethacrylate (60)	BPO (1)	DEPT (1.5)	sodium p-toluene-sulfinate (3.0)	46.0
3	copolymer of Production Example 1 (10)	tetra-n-butyl titanate (2)	eugenol (1)	SMA-1000 (10)	2-hydroxyethyl methacrylate (30), triethylene glycol dimethacrylate (60)	BPO (1)	DEPT (1.5)	sodium p-toluene-sulfinate (3.0)	45.0
4	copolymer of Production Example 1 (10)	tetra-n-butyl titanate (2)	proline (1)	SMA-1000 (10)	2-hydroxyethyl methacrylate (30), triethylene glycol dimethacrylate (60)	BPO (1)	DEPT (1.5)	sodium p-toluene-sulfinate (3.0)	38.5
5	copolymer of Production Example 1 (10)	tetra-n-butyl titanate (2)	o-ethoxybenzoic acid (1)	SMA-1000 (10)	2-hydroxyethyl methacrylate (30), triethylene glycol dimethacrylate (60)	BPO (1)	DEPT (1.5)	sodium p-toluene-sulfinate (3.0)	48.9
6	copolymer of Production Example 1 (10)	tetra-n-butyl titanate (2)	β -hydroxybutyric acid	SMA-1000 (10)	2-hydroxyethyl methacrylate (30), triethylene glycol dimethacrylate (60)	BPO (1)	DEPT (1.5)	sodium p-toluene-sulfinate (3.0)	44.1

We claim:

1. An adhesive coating material for a hard tissue, which comprises (1) a polymer having an acid value of 30 to 700 and comprising repeating units including a hydrophobic group and repeating units including two carboxyl (—COOH) groups or one carboxylic anhydride



group bonded to the polymer, said carboxyl groups or carboxylic anhydride group being bonded to adjacent carbon atoms, (2) a polymerizable vinyl compound represented by the following formula



wherein R⁵ stands for an organic group free of an ethylenic unsaturation, R⁶ stands for a hydrogen atom or an alkyl group, and q is an integer of from 1 to 4,

or a mixture of said polymerizable vinyl compound and an organic titanate compound, a radical initiator comprising (3) and (4): (3) an organic peroxide, (4) an amine compound and (5) as a promoter, a sulfonic acid salt and/or a carboxylic acid salt.

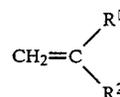
2. An adhesive coating material as set forth in claim 1, wherein the hydrophobic group present in the molecule of the polymer is in an amount of 0.7 to 9.0 moles per mole of the two carboxyl groups or one carboxylic anhydride group.

3. An adhesive coating material as set forth in claim 1, wherein the average molecular weight of the polymer is 1,000 to 100,000.

4. An adhesive coating material as set forth in claim 1, wherein the hydrophobic group is at least one member selected from the group consisting of aryl groups, alkyl groups, alkoxy groups and acyloxy groups.

5. An adhesive coating material as set forth in claim 1, wherein the polymer is a copolymer comprising a vinyl monomer having a hydrophobic group and a vinyl monomer having two carboxyl groups or one carboxylic anhydride group bonded to adjacent carbon atoms.

6. An adhesive coating material as set forth in claim 5, wherein the vinyl monomer having a hydrophobic group is a monomer represented by the following general formula:



wherein R¹ stands for a hydrogen atom or an alkyl group, and R² stands for an aryl group, an alkyl group, an alkoxy group or an acyloxy group.

7. An adhesive coating material as set forth in claim 5, wherein the vinyl monomer having two carboxyl groups or one carboxylic anhydride group bonded to adjacent carbon atoms is a member selected from the group consisting of maleic acid, fumaric acid, itaconic acid and anhydrides thereof.

8. An adhesive coating material as set forth in claim 1, wherein the polymer comprises (A) at least one kind of monomeric units represented by the following formula: