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merizable monomer and 30 to 50% of the inorganic filler.

15. A composition according to claim 11, wherein the filler comprises silanized SiO₂, the polymerizable monomer comprises bis-GMA, and the composition by weight comprises 30 to 60% of the polymerizable monomer, 30 to 50% of the inorganic filler and up to 20% of a finely disperse inorganic filler having a particle size below 500 nm.

16. In the molding of a polymerizable composition containing a polymerizable monomer and a microporous inorganic filler, the improvement which comprises employing as the filler one which has

- (a) an average particle size of 0.5 to 50μ;
- (b) a BET surface area of at least 200 m²/g;

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- (c) a pore volume of 0.7 to 5 ml/g, and
- (d) a pore diameter of 10 to 50 nm.

17. The method according to claim 16, wherein the filler has

- (a) an average particle size of 1 to 20μ;
- (b) a BET surface area of 300 to 600 m²/g;
- (c) a pore volume of 1 to 3 ml/g; and
- (d) a pore diameter of about 20 nm;

the filler comprises silanized SiO₂, the polymerizable monomer comprises bis-GMA, and the composition by weight comprises 30 to 60% of the polymerizable monomer, 30 to 50% of the inorganic filler and up to 20% of a finely disperse inorganic filler having a particle size below 500 nm.

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