

[54] TRANSPARENT STORAGE-STABLE POLYSILOXANES WHICH CROSS-LINK UNDER ATMOSPHERIC CONDITIONS

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[57] ABSTRACT

A polysiloxane composition which can be cross-linked under atmospheric conditions and which consists essentially of:

a. 100 parts by weight of an α,ω -dihydroxymethyl-phenylpolysiloxane with about 7–15 mole % of diphenylsiloxy units or about 14–28 mole % of methylphenylsiloxy units, and having a viscosity of between about 1,000 and 500,000 cSt (at 20° C),

b. about 1 to 40 parts by weight of an uncoated reinforcing filler consisting essentially of SiO₂ having a specific surface area of about 40 to 500 m²/g by the BET method, and

c. about 1 to 10 parts by weight of a cross-linking agent of the formula



wherein

R is an alkyl, halogenoalkyl, aryl, or arylalkyl radical, and

X is an alkoxy, acyloxy, oximato or alkylamino radical.

A curing catalyst may also be present. The composition is clear as are the silicone rubbers produced upon curing.

6 Claims, No Drawings