

[54] HIGH STRENGTH ORGANOPOLYSILOXANE COMPOSITIONS

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[58] Field of Search 260/33.6 SB, 32.8 SB, 825

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[57] ABSTRACT

There is provided an organopolysiloxane composition combining high strength with exceptionally good elongation, which composition comprises a first component, a mixture of two vinyl-containing polysiloxanes or blends of vinyl-containing polysiloxanes, one of which is a high viscosity polysiloxane or a blend of high viscosity polysiloxanes, the other is a low viscosity polysiloxane or a blend of low viscosity vinyl-containing polysiloxanes, a filler and an effective amount of a platinum catalyst.

The second component comprises a hydrogen-containing silane or polysiloxane. When it is desired to cure the composition into an elastomer the first component is mixed with the second component, that is, the hydrogen containing silane or polysiloxane and the mixture is allowed to cure either at room temperature or at elevated temperatures. Part of the total high viscosity vinyl-containing polymer can be mixed with the second component.

7 Claims, No Drawings