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HYDROPHILIC POLYSILOXANE COMPOSITIONS

ABSTRACT OF THE DISCLOSURE

The instant invention provides a method for improving the miscibility of the
5 lower molecular weight unsaturated siloxane - polyether copolymers with the α , ω -
divinylpolysiloxanes without loss of storage stability, or delay of cure at the vulcanization
temperature, or loss of permanent hydrophilicity or other desirable features of the cured
polysiloxane. The compositions of the present invention comprise one or more α , ω -
divinylpolysiloxanes, unsaturated polysiloxane - polyether copolymers having from 2 to 5
10 silicon atoms per molecule which are preferably trisiloxanes, and a compatibilizing additive.
The permanently hydrophilic, rapidly wettable polysiloxane compositions yield static water
contact angles $< 50^\circ$ dynamic advancing contact angles of less than about 100.