

Title (en)  
CROSSLINKING AGENT FOR CROSSLINKABLE SILICONE COMPOSITION WITH LOW PLATINUM CONTENT BASED ON HYDROGENATED SILICONE OIL COMPRISING SI-H UNITS IN CHAIN END AND IN THE CHAIN

Title (de)  
VERNETZER ZUR HÄRTUNG EINER SILOXANZUSAMMENSETZUNG , IN ANWESENHEIT EINES NIEDRIGEN GEHALTES VON PLATINKATALYSATOR , UND AUF BASIS EINES WASSERSTOFF ENTHALTENDEN SILIKONÖLES MIT SI-H END- UND SEITENGRUPPEN

Title (fr)  
RETICULANT POUR UNE COMPOSITION SILICONE RETICULABLE AVEC BAS TAUX DE PLATINE, A BASE D UNE HUILE SILICONE HYDROGENEE C OMPRENANT DES MOTIFS SI-H EN BOUT DE CHA NE ET DANS LA CHA NE

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Abstract (en)  
[origin: WO03054059A1] The invention concerns crosslinkable silicone compositions, useful for forming water-repellent and release coating for flexible heat-sensitive support. Said compositions comprise crosslinking polyorganosiloxanes (POS) bearing Si-H units and unsaturated POS, for example Si-Vi vinyl-containing POS, capable of reacting with the crosslinking agent by polyaddition, in the presence of platinum to form a release crosslinked coat on the flexible support. The invention aims at instantaneously enabling low platinum content crosslinking of such silicone compositions, coated at high speed. Therefor, the invention provides for the use of particular crosslinking agents consisting of hydrogenated POS comprising at least three hydrogen atoms bound to the silicon located at chain end and in the chain. The invention also concerns solvent-free or emulsion-type silicone compositions comprising the Si-Vi POS (I.1), the crosslinking agent Si-H POS (I.2) and the platinum catalyst, among others. The invention is useful for coating flexible supports, for example made of Lissé BEKK > 1000 paper.

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