

Title (en)

OXIMINO SILANE TERMINATED POLYMERS AND ELASTOMERS FORMED THEREFROM

Title (de)

POLYMERE MIT OXIMINOSILANENDGRUPPEN, SOWIE DARAUS HERGESTELLTE ELASTOMERE

Title (fr)

POLYMERES A TERMINAISON OXIMINOSILANE ET ELASTOMERES OBTENUS A PARTIR DESDITS POLYMERES

Publication

EP 0764179 A1 19970326 (EN)

Application

EP 95917800 A 19950503

Priority

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- US 25520494 A 19940607

Abstract (en)

[origin: WO9533784A1] Oximinosilane terminated polymers which are cured at room temperature to become stable elastomers. The polymers have hydrolyzable ketoximino silyl group at each end of each molecule and are prepared by reacting a hydroxyl-terminated liquid polymer with an organic diisocyanate to produce an isocyanate terminated prepolymer. The resulting prepolymer is then converted into a mercaptan terminated polymer either by reacting with a mercapto alcohol or by reacting with an olefinic alkylene alcohol or amine to give an olefin-terminated polymer which is then reacted with a dimercaptan. When the mercaptan terminated polymer is reacted with a vinyl oximino silane or a vinylalkoxyoximino silane, a silane terminated liquid polymer is obtained. Such polymers have improved elongation, moisture resistance, tensile and tear strength properties in adhesive, coating and sealant formulations.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR)

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