

Title (en)

METHOD FOR PREPARING A MASTERBATCH OF DIENE ELASTOMER AND SILICA

Title (de)

VERFAHREN ZUR MASTERBATCH-HERSTELLUNG AUS DIENELASTOMER UND SILICA

Title (fr)

METHODE POUR PREPARER UN MELANGE MAITRE D'ELASTOMERE DIENIQUE ET DE SILICE

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Application

EP 12769675 A 20121010

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Abstract (en)

[origin: WO2013053735A1] The invention relates to a method for preparing a masterbatch of diene elastomer and silica, comprising the following successive steps of: preparing at least one silica dispersion in water, bringing into contact and mixing an elastomer latex and the aqueous silica dispersion in the presence of a zinc salt in order to obtain a coagulum, and drying the recovered coagulum in order to obtain the masterbatch. The zinc cation molar ratio, defined as the number of moles of zinc cations of the zinc salt per unit area of the silica, is between $1.19 \cdot 10^{-6}$ and $5.62 \cdot 10^{-6} \text{ mol/m}^2$.

IPC 8 full level

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