

Title (en)
CROSSLINKABLE POLYMER COMPOSITION CONSISTING OF TWO COPOLYMERISATES, WHICH ARE REACTIVE WITH EACH OTHER AND HAVE DIFFERENT GLASS TRANSITION TEMPERATURES

Title (de)
VERNETZBARE POLYMERZUSAMMENSETZUNG AUS ZWEI MITEINANDER REAKTIVEN COPOLYMERISATEN UNTERSCHIEDLICHER GLASSÜBERGANGSTEMPERATUREN

Title (fr)
COMPOSITION POLYMÈRE RÉTICULABLE COMPOSÉE DE DEUX COPOLYMÈRES RÉAGISSANT L'UN AVEC L'AUTRE PRÉSENTANT DES TEMPÉRATURE DE TRANSITION VITREUSE DIFFÉRENTES

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Application
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Abstract (en)
[origin: WO2020108723A1] The invention relates to a crosslinkable polymer composition in the form of an aqueous polymer dispersion or a polymer powder, containing A) a mixed polymerisate of one or more comonomers a1) from the group containing vinyl esters of unbranched or branched alkyl carboxylic acids with 1 to 18 C atoms, acrylic acid esters, and methacrylic acid esters of branched or unbranched alcohols with 1 to 15 C atoms, dienes, olefins, vinyl aromatics, and vinyl halides, and 0.1 to 30 wt.%, based on the total weight of the comonomers, of one or more ethylenically unsaturated functional comonomers a2, which contain carboxyl, hydroxy, or NH groups, and B) a mixed polymerisate of one or more comonomers b1) from the group containing vinyl ester or unbranched or branched alkyl carboxylic acids with 1 to 18 C atoms, acrylic acid esters, and methacrylic acid esters of branched or unbranched alcohols with 1 to 15 C atoms, dienes, olefins, vinyl aromatics, and vinyl halides, and 0.1 to 30 wt.%, based on the total weight of the comonomers, of one or more ethylenically unsaturated functional comonomers b2) which can react with the functional groups of the comonomers a2) and which contain epoxy, N-methylol, or isocyanate groups. The invention is characterized in that one of the mixed polymerisates A) or B) has a glass transition temperature Tg of less than 30 °C and the respective other mixed polymerisate A) or B) has a glass transition temperature Tg of more than 50 °C.

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