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(54) Title: POLYMER LATEX SUITABLE FOR THE PREPARATION OF DIP-MOLDED ARTICLES

(57) Abstract: The present invention relates to a polymer latex made by free-radical emulsion polymerization comprising polymer particles containing structural units derived from at least one conjugated diene component, whereby said polymer particles comprise at least one hard phase segment having a glass transition temperature ( $T_g$ ) of at least 50°C and at least one soft phase segment having a glass transition temperature ( $T_g$ ) of 10°C at most, the total amount of hard phase segments being 2 to 40 wt-% and the total amount of the soft phase segments being 60 to 98 wt-% based on the total weight of the polymer particles, whereby the  $T_g$  is measured by DSC according to ASTM D3418-03 and said polymer latex having an electrolyte stability determined as critical coagulation concentration of less than 30 mmol/l  $\text{CaCl}_2$  (determined for a total solids content of the latex of 0.1% at pH 10) that is particularly suitable for the production of dip-molded articles. Furthermore, the present invention relates to a process for making such a polymer latex, to the use of said polymer latex for the production of dip-molded articles, to a compounded polymer latex composition that is suitable for the production of dip-molded articles, to a method for making dip-molded latex articles, as well as to the latex articles obtained thereby.