

Title (en)

PROCESS FOR PREPARING VINYL ACETATE-ETHYLENE COPOLYMERS BY MEANS OF EMULSION POLYMERIZATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON VINYLACETAT-ETHYLEN-MISCHPOLYMERISATEN MITTELS EMULSIONSPOLYMERISATION

Title (fr)

PROCÉDÉ DE PRODUCTION DE COPOLYMÈRES D'ACÉTATE DE VINYLE-ÉTHYLÈNE PAR POLYMÉRISATION EN ÉMULSION

Publication

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Application

EP 11745513 A 20110725

Priority

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Abstract (en)

[origin: WO2012016869A1] The invention provides processes for preparing vinyl acetate-ethylene copolymers by means of free-radical initiated emulsion polymerization of vinyl acetate, ethylene and optionally one or more further comonomers in the presence of at least one protective colloid and optionally at least one emulsifier, characterized in that the vinyl acetate-ethylene copolymers contain 18 to 45% by weight of ethylene units, based on the total weight of the vinyl acetate-ethylene copolymers, and at least 70% by weight of ethylene units, based on the total weight of the ethylene units and of the further comonomer units of the vinyl acetate-ethylene copolymers, and the free-radical initiated emulsion polymerization is performed in the presence of A) 0.5 to 20% by weight, based on the total weight of the monomers used overall, of one or more solvents, or B) 0.1 to 20% by weight, based on the total weight of monomers used overall, of one or more solvents, and 0.5 to 4% by weight, based on the total weight of monomers used overall, of one or more anionic sulposuccinic esters of the general formula $R_1O-CO-CH_2-CH(SO_3M)-CO-O-R_1$ (I) in which M is a cation, R₁ is a linear or branched alkyl radical having 4 to 17 carbon atoms, an alkylene oxide group $-(R_2-O)_n-X$ or a cation M, where R₂ is a linear or branched alkylene unit having 2 to 5 carbon atoms, n is an integer from 2 to 20 and X is a linear or branched alkyl radical having 4 to 17 carbon atoms, where at most one R₁ radical in the general formula (I) is a cation M.

IPC 8 full level

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C-Set (source: EP US)

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Citation (search report)

See references of WO 2012016869A1

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