

Title (en)

PROCESS FOR PREPARING HYDROPHOBICALLY MODIFIED LOW FOAMING COPOLYMERS, HYDROPHOBICALLY MODIFIED LOW FOAMING COPOLYMERS AND THEIR USE AS CEMENT ADDITIVES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HYDROPHOBISCH MODIFIZIERTEN, WENIG SCHÄUMENDEN COPOLYMEREN, HYDROPHOBISCH MODIFIZIERTE, WENIG SCHÄUMENDE COPOLYMERE, UND DEREN VERWENDUNG ALS ZEMENTZUSATZSTOFFE

Title (fr)

PROCEDE POUR PREPARER DES COPOLYMERES FAIBLEMENT MOUSSANTS RENDUS HYDROPHOBES, COPOLYMERES FAIBLEMENT MOUSSANTS RENDUS HYDROPHOBES, ET LEUR UTILISATION COMME ADDITIFS A CIMENT

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Application

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Abstract (en)

[origin: EP0985691A1] The present invention refers to a process for the preparation of a copolymer containing structural units derived from alpha, beta unsaturated mono- or dicarboxylic acids and their salts, half-esters of dicarboxylic acids or salts thereof, an olefin and a hydrophobic moiety, said hydrophobic moiety being incorporated into the copolymer chain; said process comprises reacting a) at least one monomer selected from alpha, beta unsaturated mono-carboxylic acids and their salts; and alpha, beta unsaturated dicarboxylic acids, their halfesters and salts thereof; b) at least one monomer selected from olefins; and c) at least one hydrophobic compound free of olefinic unsaturation containing units of the formula: <CHEM> wherein R<1> is independently at each occurrence selected from hydrogen and C1-C4 alkyl with the proviso that at least one R<1> is selected from C1-C4 alkyl in an amount of 0.01 to 30 wt% based on the total amount of a), b) and c); at a temperature in the range of 25 DEG C-100 DEG C, and in the presence of a free-radical initiator in an amount of 1.5wt%-25wt% based on the total weight of a), b) and c), to copolymers obtainable therefrom and the use of these polymers as cement additives.

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