

Title (en)
MIXTURES FOR PRODUCING TRANSPARENT PLASTICS, TRANSPARENT PLASTICS, METHOD FOR PRODUCING THE SAME AND THE USE THEREOF

Title (de)
MISCHUNGEN ZUR HERSTELLUNG TRANSPARENTER KUNSTSTOFFE, TRANSPARENTE KUNSTSTOFFE SOWIE VERFAHREN ZU DEREN HERSTELLUNG UND VERWENDUNG

Title (fr)
MELANGES POUR PRODUIRE DES MATIERES PLASTIQUES TRANSPARENTES, MATIERES PLASTIQUES TRANSPARENTES, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION

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Application
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Abstract (en)
[origin: WO2005085308A1] The invention relates to mixtures for producing transparent plastics, which comprise a) a prepolymer, produced from the compounds of formulae (I) and (II), wherein R<1> independently represents hydrogen or a methyl group, R<2> independently represents a linear or branched, aliphatic or cycloaliphatic group or a substituted or unsubstituted aromatic or heteroaromatic group and m and n independently represent a number greater or equal 0 with m + n > 0, and the compounds of formula (III), alkyl dithiols or polythiols, preferably HS-R<3>-SH (III), wherein R<3>, which is the same or different from R<2>, can have the meaning indicated in R<2>; and b) at least one radically polymerizable monomer (A) having at least two methacrylate groups; and c) aromatic vinyl compounds, such as e.g. styrene; and d) optionally a radically polymerizable monomer having at least two terminal olefinic groups that have different reactivity; and/or e) optionally at least one monomer (B) from the group of methacrylates, preferably 2-hydroxyethyl methacrylate.

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