

Title (en)
COMPOSITIONS BASED ON FLUORINATED RESIN AND IMIDE COMPOUND, PREPARATION METHOD AND USES

Title (de)
ZUSAMMENSETZUNGEN AUF BASIS VON FLUORHARZ UND IMID VERBINDUNG, VERFAHREN ZU IHRER HERSTELLUNG UND DEREN VERWENDUNGEN

Title (fr)
COMPOSITIONS A BASE DE RESINE FLUOREE ET DE COMPOSE IMIDE, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS

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Application
EP 98955650 A 19981113

Priority
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Abstract (en)
[origin: FR2771097A1] Fluoride resin and imide based composition and their preparation and use. The mixture comprises 100 parts by weight of a fluoride resin and 10-70 and or preferably 10-30 parts by weight of at least an imide compound carrying maleimide and/or nadimide functional groups. The maleimide and/or nadimide compounds are represented by one of the following structures (I), (II), (III) and (IV) : R1 and R2= hydrogen or an alkyl linear or branched 1-24C alkyl residue, a 5-12C cycloalkyl residue, 6-24C heteroaryl, 7-24C aralkyl, a 7-24C alkaryl or specially hydrogen or an alkyl linear or branched 1-12C residue, a cyclohexyl, phenyl, biphenyl, a 7-12C aralkyl residue or a 7-12C alkaryl residue X is specially a linear or branched 1-12C alkylene residue, a 5-8C cycloalkylene residue, a 6-18C aryene, a 4-12C heteroarylene, a 7-18C aralkylene or a 7-18C alkarylene. The composition is prepared by melting the fluoride resin and the imide compounds or by mixing a solution of the fluoride resin with the imide compounds is powdered or in solution form, in presence of additives and/or charges which are incorporated either during the mixing of the fluoride resins and the imide compounds or by mixing before hand with one or the other of the constituents or after the step. The composition is subjected to a thermal treatment at 200 <0>C and/or extended mixing in the molten state.

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