

Title (en)

TRANSPARENT COMPOSITIONS WITH GOOD ALCOHOL RESISTANCE AND FATIGUE STRENGTH

Title (de)

TRANSPARENTE ZUSAMMENSETZUNGEN MIT GUTER ALKOHOLBESTÄNDIGKEIT UND DAUERFESTIGKEIT

Title (fr)

COMPOSITIONS TRANSPARENTES AVEC BONNE RESISTANCE A L'ALCOOL ET TENUE A LA FATIGUE

Publication

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Application

EP 21823634 A 20211115

Priority

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- FR 2021052005 W 20211115

Abstract (en)

[origin: WO2022101590A1] The present invention relates to a transparent moulding composition, comprising by weight: (a) from 30 to 90% of at least one (co)polyamide of formula PACMY/Z, in which: PACM represents the bis(4-aminocyclohexyl)-methane made up of at least 30 mol% of trans,trans-bis(4-aminocyclohexyl)-methane relative to the sum of all the isomers of the PACM, Y represents at least one aliphatic dicarboxylic acid, Z represents a repeating unit selected from among a unit obtained from at least one amino acid or a unit obtained from at least one lactam, or a unit XY1 obtained from the polycondensation of at least one aliphatic diamine X and at least one aliphatic dicarboxylic acid Y1, with Z ranging from 0 to 15% by weight in the (co)polyamide PACMY/Z relative to the sum of the constituent elements of the (co)polyamide, (b) from 10 to 70% by weight of at least one semi-crystalline copolyamide of formula A/WS, with A being as defined for Z, W being selected from among 3,3'-dimethyl-4,4'-diaminodicyclohexylmethane (MACM) and the PACM as defined above, with S being an aromatic dicarboxylic acid, (c) from 0 to 10% of at least one impact modifier selected from among polyether block amides (PEBA) and core-shell polymers, (d) from 0 to 2% by weight of at least one additive, (e) from 0 to 5% by weight of a prepolymer; the sum of the proportions of each constituent element of said composition being equal to 100%, said composition having good alcohol resistance as determined by an ethanol resistance test.

IPC 8 full level

C08G 69/26 (2006.01); **C08G 69/08** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2022101590A1

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