

Title (en)
IMPROVED FLOW IGNITION RESISTANT CARBONATE POLYMER COMPOSITION

Title (de)
CARBONATPOLYMERZUSAMMENSETZUNG MIT ERHÖHTER STRÖMUNG SZÜNDUNGSRESISTENZ

Title (fr)
COMPOSITION DE POLYMÈRE DE CARBONATE IGNIFUGE À ÉCOULEMENT AMÉLIORÉ

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Application
EP 11706760 A 20110302

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Abstract (en)
[origin: WO2011107273A1] The present invention is an ignition resistant carbonate polymer composition, a method to make said composition and fabricated articles made therefrom. The ignition resistant carbonate polymer composition consists of: (i) an aromatic polycarbonate or an aromatic polyester carbonate, (ii) a graft (co)polymer produced by mass polymerization, (iii) a thermoplastic semi-crystalline polyalkylene dicarboxylate polymer having an intrinsic viscosity of from 0.4 to 0.7 dl/g, (iv) an aromatic phosphate compound represented by the formula (I) : wherein, R1, R2, R3 and R4 independently of one another each denote optionally halogenated C1- to C8-alkyl, or C5- to C6- cycloalkyl, C6- to C20- aryl or C7- to C12- aralkyl, in each case optionally substituted by alkyl and/or halogen, X denotes a mono- or polynuclear aromatic radical having 6 to 30 C atoms, n independently of one another is 0 or 1, N represents values from 0 to 30, (v) a polytetrafluoroethylene polymer, a fluorothermoplast, or mixture thereof, and (vi) one or more of a thermoplastic vinyl (co)polymer, an impact modifier, a filler, a reinforcing material, a stabilizer, a pigment, a dye, a mold release, a lubricant, or an anti-static agent.

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