

Title (en)  
FLAME-RESISTANT POLYCARBONATE ABS MOULDING MATERIALS

Title (de)  
FLAMMWIDRIGE POLYCARBONAT/ABS-FORMMASSEN

Title (fr)  
MATIERES MOULEES EN POLYCARBONATE/PLASTIQUE ABS ININFLAMMABLES

Publication  
**EP 1095098 A1 20010502 (DE)**

Application  
**EP 99929192 A 19990612**

Priority  
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• EP 9904061 W 19990612

Abstract (en)  
[origin: DE19828538A1] Thermoplastic molding material based on polycarbonate or polyester-carbonate contains a graft copolymer (B) made by emulsion polymerization with an initiator comprising organic hydroperoxide and ascorbic acid, plus a phosphazene component (D) and optionally other components. Thermoplastic molding materials containing: (A) 40-99 parts by weight (pts. wt.) aromatic polycarbonate and/or polyester-carbonate; (B) 0.5-60 pts. wt. graft copolymer of (B1) 5-95 wt.% vinyl monomer(s) on (B2) 95-5 wt.% diene rubber particles with a glass transition temperature (T<sub>g</sub>) of below 10 deg C, which is obtained by emulsion polymerization using an initiator system comprising organic hydroperoxide and ascorbic acid for the graft polymerization; (C) 0-45 pts. wt. thermoplastic polymer(s) selected from vinyl (co)polymers and polyalkylene terephthalates; (D) 0.1-50 pts. wt. phosphazene(s) of formula (Ia) and/or (Ib): in which: R = amino, optionally halogenated 1-8C alkyl, 1-8C alkoxy, or optionally alkyl- and/or halogen-substituted 5-6C cycloalkyl, 6-20C aryl or aryloxy or 7-12C aralkyl; k = 0 or 1-15; and (E) 0-5 pts. wt. fluorinated polyolefin. Independent claims are also included for: (a) a process for the production of these materials by mixing and melt-compounding the components, optionally with other additives; (b) molded products produced from these materials, especially casing parts.

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