

Title (en)
FLAME-RESISTANT POLYCARBONATE-ACRYLATE-RUBBER COMPOSITION HAVING A REDUCED BISPHENOL-A CONTENT

Title (de)
FLAMMWIDRIGE POLYCARBONAT-ACRYLAT-KAUTSCHUK-ZUSAMMENSETZUNG MIT GERINGEM BISPHENOL-A-GEHALT

Title (fr)
COMPOSITION DE CAOUTCHOUC-ACRYLATE-POLYCARBONATE IGNIFUGE, À FAIBLE TENEUR EN BISPHÉNOL-A

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Abstract (en)
[origin: WO2019076493A1] The invention relates to a composition for generating a thermoplastic moulding compound, wherein the composition contains or consists of at least the following components: A) 50.0 to 95.0 wt.% of at least one polymer selected from the group consisting of aromatic polycarbonate, aromatic polyester carbonate and aromatic polyester; B) 1.0 to 35.0 wt.% of at least one polymer, that is free from epoxide groups, consisting of B1) a rubber-modified graft polymer with an elastomer acrylate rubber graft base, B2) optionally a rubber-modified graft polymer, based on vinyl aromatics, core-substituted vinyl aromatics and/or methacrylic acid-(C1-C8)-alkyl esters, with a graft base that is different from the component B1), and B3) optionally a rubber-free vinyl (co)polymer; C) 0.1 to 10.0 wt.% of a polymer containing structure elements based on styrene and a vinyl monomer containing epoxide groups; D) 1.0 to 20.0 wt.% of a phosphorus-containing flame retardant; and E) 0.1 to 20.0 wt.% of additional materials; wherein the component C has a weight ratio of structure elements based on styrene to those based on vinyl monomers containing epoxide groups of 100:1 to 1:1. The invention also relates to the use of the composition, and to a method for producing a moulding compound of this type, and to the moulding compound itself. The invention further relates to a moulded body formed from the above-mentioned molding compound.

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