

Title (en)
CORE-SHELL STRUCTURED SILICONE RUBBER GRAFT POLYMERS, IMPACT-RESISTANT MODIFIED MOLDING COMPOUNDS AND MOLDED BODIES AND METHOD FOR PRODUCING THE SAME

Title (de)
SILICONKAUTSCHUK-PFROPFCOPOLYMERISATE MIT KERN-HÜLLE-STRUKTUR, SCHLAGZÄHMODIFIZIERTE FORMMASSEN UND FORMKÖRPER SOWIE VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
COPOLYMERISATS GREFFES DE CAOUTCHOUC DE SILICONE A STRUCTURE NOYAU-ENVELOPPE, MATIERE DE MOULAGE A RESILIENCE MODIFIEE ET CORPS MOULES ET PROCEDE DE PRODUCTION CORRESPONDANT

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Abstract (en)
[origin: WO03066695A2] The invention relates to core-shell structured silicone rubber graft polymers that comprise a core a) from a silicium-organic polymer that corresponds to the general formula $(R_2SiO_2/2)_x.(RSiO_3/2)_y.(SiO_4/2)_z$, wherein $x = 0$ to 99.5 mole %, $y = 0.5$ to 100 mole %, $z = 0$ to 50 mole %, wherein R is the same or different and represents alkyl or alkenyl groups having 1 to 6 C atoms, aryl groups or substituted hydrocarbon groups and at last one shell c) from an organic polymer. The silicone rubber graft copolymers are obtained by producing the organic shell c) by radical polymerization at a temperature of not more than 65 DEG C and adding the initiator in at least two portions to the reaction vessel, with a further addition at least 2 minutes after start of the polymerization.

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