

Title (en)
CORE AND SHELL PARTICLE FOR MODIFYING IMPACT RESISTANCE OF A MOULDABLE POLY(METH)ACRYLATE MATERIAL

Title (de)
KERN-SCHALE-TEILCHEN ZUR SCHLAGZÄHMODIFIZIERUNG VON POLY(METH) ACRYLAT-FORMMASSEN

Title (fr)
PARTICULE A NOYAU ET ENVELOPPE SERVANT A MODIFIER LA RESILIENCE DE MATIERES MOULABLES DE POLY(METH)ACRYLATE

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Application
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Abstract (en)
[origin: WO2004056892A2] The invention relates to a core and shell particle comprising a core, a first shell and eventually a second shell. Said core consists of at least 75.0 mass % (meth)acrylate repeating units with respect to the total mass thereof. The first shell has an internal glass transition temperature of 30 DEG C. The second shell consists of at least 75.0 mass % (meth)acrylate repeating units with respect to the total mass thereof. The first shell contains the following elements with respect to the total mass thereof: E) 92,0 to 98.0 mass % (meth)acrylate repeating units and F) 2.0 to 8.0 mass % styrene repeating units of the formula (i), wherein groups from R<1> to R<6 >are defined in the claim and the mass percentages of E) and F) are summarised in such a way that they form 100 mass %. The radius of the core and shell particle, including the eventual second shell, which is measured using the Coulter principle ranges from 160.0 to 240.0 nm. A method for producing the core and shell particle on a mouldable material containing it and for using said core and shell particle is also disclosed.

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IPC 8 full level
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4. **C08L 51/04** + **C08L 2666/02**
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