

Title (en)  
AQUEOUS POLYMER DISPERSION

Title (de)  
WÄSSRIGE POLYMERDISPERSION

Title (fr)  
DISPERSION AQUEUSE DE POLYMÈRE

Publication  
**EP 2389397 A1 20111130 (DE)**

Application  
**EP 10700214 A 20100113**

Priority  
• EP 2010000122 W 20100113  
• EP 09000845 A 20090122  
• EP 10700214 A 20100113

Abstract (en)  
[origin: EP2218738A1] Aqueous polymer dispersion comprises at least one core copolymer (A) and at least one shell copolymer (B), where the glass transition temperature (T<sub>g</sub>) of the core is 70-100[deg] C, the T<sub>g</sub> of the shell is 20-55[deg] C, the total T<sub>g</sub> of the core-shell copolymer is 30-80[deg] C and the dispersion contains an emulsifier content of = 1.5 wt.%, relative to the solid substance. An independent claim is included for preparing the above polymer dispersion, comprising (a1) providing water, emulsifier and optionally a small quantity of initiator, (a2) subsequently adding a content of the monomers ((i) 1-20C alkyl(meth)acrylate, (ii) vinyl aromatic compounds having up to 20C and (iii) acid functional monomer) of 1-10 wt.% optionally simultaneously during the addition of the initiator for forming an internal seed, (a3) adding the monomers ((i)-(iii) and (iv) optional hydroxy functional monomer), for the copolymer (A) (core) in step-wise manner, (a4) polymerizing up to a quantity of at least 5 wt.%, relative to its total weight, (a5) adding the monomers (i)-(iv) for the copolymer (B), and (a6) polymerizing up to a quantity of at least 5 wt.%, relative to its total weight.

IPC 8 full level  
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Cited by  
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