

Title (en)
CONTROLLED ARCHITECTURE COPOLYMER DERIVED FROM VINYL PHOSPHONATE MONOMERS, METHOD FOR PREPARING SAME AND USES THEREOF

Title (de)
VON VINYLPHOSPHONATMONOMEREN ABGELEITETES COPOLYMER MIT KONTROLLIERTER ARCHITEKTUR, HERSTELLUNGSVERFAHREN DAFÜR UND VERWENDUNGEN DAVON

Title (fr)
COPOLYMERES A ARCHITECTURE CONTROLEE ISSU DE MONOMERES VINYL PHOSPHONATE, SON PROCEDE DE PREPARATION ET SES UTILISATIONS

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Abstract (en)
[origin: WO2006125892A1] The invention concerns a controlled architecture copolymer comprising at least one block A obtained by polymerizing a mixture of ethylenically unsaturated monomers (A₀) not including vinyl phosphonate monomers and at least one block B obtained by polymerizing a mixture of ethylenically unsaturated monomers (B₀) including at least 50 mole % of at least one monomer B₁ bearing at least one vinyl phosphonate function. The invention also concerns a method for synthesizing a controlled architecture copolymer comprising at least one block A obtained by polymerizing a mixture of ethylenically unsaturated monomers (A₀) not including monomers with vinyl phosphonate monomers and at least one block B obtained by polymerizing a mixture of ethylenically unsaturated monomers (B₀) including at least 50 mole % of at least one monomer B₁ bearing at least one vinyl phosphonate function. The invention further concerns the use of the copolymer as anti-scaling agent, as dispersant, as emulsifier or surface modifier.

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