

Title (en)

WATER-BASED SULFONATED POLYMER COMPOSITIONS

Title (de)

ZUSAMMENSETZUNG SULFONIRTER POLYMERER AUF WÄSSRIGER BASIS

Title (fr)

COMPOSITIONS POLYMERES SULFONEES A BASE D'EAU

Publication

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Application

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Abstract (en)

[origin: WO9806768A1] A method for the preparation of sulfonated polymer compositions wherein water dispersible isocyanate-terminated polyurethane prepolymers are reacted in the presence of aqueous polyvinyl dispersions which may contain active hydrogen atoms. The invention is further directed to a water-based sulfonated polyurethane polyvinyl hybrid latex wherein a sulfonated polyurethane is used as a seed for the polymerization of ethylenically unsaturated monomers and a method for preparing the same. The inventive compositions develop interpenetrating polymer networks or may form core-shell type structures, and are characterized as having enhanced mechanical and adhesion properties.

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