

ABSTRACT

METHOD FOR PREPARING INTRINSICALLY CONDUCTIVE COPOLYMERS

5 A method for preparing an intrinsically conductive copolymer
comprising preparing an emulsion latex in a medium; forming a mixture
which comprises at least one cyclic heteroatom containing monomer, the
emulsion latex in the medium and an additive under first condition
effective to maintain the emulsion latex in a first stabilized emulsion state,
causing the monomer in the mixture to polymerize under second condition
10 effective to produce the conductive copolymer in a second stabilized
emulsion state. Additives include cyclodextrins, partially alkylated
cyclodextrins, poly(vinyl alcohol), partially hydrolyzed poly(vinyl acetate),
poly(vinyl acetate) and mixtures thereof.