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Hydrochemical deposition of polyvinyl acetate from aqueous dispersion

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Abstract

The interaction of aqueous dispersions of polyvinyl acetate with aluminum sulfate at different ratios of reactants has been studied. The optimum concentration of aluminum sulfate, which provides a complete replanting of the aqueous dispersion of polyvinyl acetate. There was discussed the associates formation mechanism of the type $Al^{3+}\ldots{}^{-}O=C<$, which quantitatively fall out of dispersion as a precipitate. The course of complexing is confirmed by IR and UV spectra of aqueous solutions and precipitates.