

Electrochemical Deposition of Pb and PbO₂ on Polymer Composites Electrodes

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Abstract : Polymers have a large reputation as electric insulators. These materials are characterized by weak weight, reduced price and a large domain of physical and chemical properties. They conquered new application domains that were until a recent past the exclusivity of metals. In this work, we used some composite materials (polymers/conductive fillers), as electrodes and we try to cover them with metallic lead layers in order to use them as current collector grids in lead-acid battery plates.

Keywords : electrodeposition, polymer composites, carbon black, acetylene black

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