

Electropolymerization of 2,3-diaminophenol

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Abstract

The optima conditions to electrosynthesize poly(2,3-diaminophenol) by electro-oxidation of the monomer were determined, and the electrodeposits obtained characterized by electrochemical methods, UV-vis, FTIR, conductivity and viscosity measurements. The influence of parameters such as electrolytical medium and electrochemical conditions on the electro-oxidation of 2,3-diaminophenol were also investigated. It has been established that appropriate deposits are obtained only when very anhydrous acetonitrile is used as solvent. © 2000 John Wiley & Sons, Inc. *J Polym Sci A: Polym Chem* 38: 1698–1703, 2000