

عنوان مقاله:

Electrochemical Investigation of Poly Vinyl Alcohol-G-Succinic Acid Doped with Malachite Green

محل انتشار:

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خلاصه مقاله:

The electrochemical manner was investigated for poly vinyl alcohol -g- succinic acid by using the cyclic voltammetry mechanism. Such an investigation mostly concentrates on the expected properties of the doped polymers with different doping ratios of Malachite green (0.03, 0.06, 0.09, 0.12, and 0.15) %wt. This is specific by the electrons transmit between the dopants and both polymers, which visibly show the appearance of oxidation- reduction peak accompanied log increase in electrical current I_p as applied potential changer. The heights of I_p oscillate due to the change in see rate v . The results of linear of relationships between I_p and $v^{1/2}$ specified that the electron transfer was a process of one electron transfer

کلمات کلیدی:

Cyclic voltammetry, poly vinylalcohol, Malachite Green, supporting electrolyte

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