

Development of Kenaf Cellulose CNT Paper for Electrical Conductive Paper

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Abstract : Kenaf cellulose CNT paper production was for lightweight, high strength and excellent flexibility electrical purposes. Aqueous dispersions of kenaf cellulose and varied weight percentage of CNT were combined with the assistance of PEI solution by using ultrasonic probe. The solution was dried using vacuum filter continued with air drying in condition room for 2 days. Circle shape conductive paper was characterized with Fourier transformed infrared (FTIR) spectra, scanning electron microscopy (SEM) and thermogravimetric analysis (TGA).

Keywords : cellulose, CNT paper, PEI solution, electrical conductive paper

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