

Preparation of electrospun nanofibrous mats using PS/PVAc blending solution

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A blending nanofibrous mats comprising polystyrene(PS) and polyvinylacetate (PVAc) were prepared by electrospinning. All electrospinning condition was performed with MC/EtOH (80/20,v/v) solvent system at flow rate 100 $\mu\text{l}/\text{min}$, applied voltage 15 kV and tip-to-distance (TCD) 10 cm. The weight ratios of PS/PVAc blended polymer solution affect on the number of jets of PS/PVAc. The nanofibrous mats were characterized by field emission scanning electron microscopy(FE-SEM) and Fourier transform infrared(FT-IR) spectroscopy, differential scanning calorimeter(DSC) and (Thermogravimetric analysis(TGA).