

عنوان مقاله:

Simulation of electrical percolation threshold in Polystyrene-Carbon nanotube composite

محل انتشار:

یازدهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1393)

تعداد صفحات اصل مقاله: 2

نویسندگان:

Shahryar Malekie - *Radiation Application Research School, Nuclear Science & Technology Research Institute, PO Box 11365-3486, Tehran, Iran*

Farhood Ziaie - *Radiation Application Research School, Nuclear Science & Technology Research Institute, PO Box 11365-3486, Tehran, Iran*

خلاصه مقاله:

In this work, randomly dispersed single-walled carbon nanotubes (SWCNT) in polystyrene (PS) matrix was simulated to predict the electrical percolation threshold (EPT). The finite element method was used in this study. The predicted values of EPT through simulation were validated in comparison with the experimental results published in the literature

کلمات کلیدی:

SWCNT, PS, composite, percolation threshold, finite element method

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