عنوان مقاله:

Microwave absorbing properties of Cr2O3/ZnO nanofibers and TSIL as the filer in polymer foams

محل انتشار:

کنفرانس بین المللی فرآورش پلیمرها (سال: 1390)

تعداد صفحات اصل مقاله: 3

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خلاصه مقاله:

Cr2O3/ZnO nanofibers were fabricated electrospinning method. Their fibrous morphology was investigated by scanning electron microscope (SEM). The microwave characterizations of Cr2O3/ZnO nanofibers/TSIL fiber-filled foam composites were evaluated using reflection in a multi-layered medium. The diameter and aspect ratio of the fibers have great influence on reflection loss. It was also found that carbonyl iron fiber-filled foam composites with small thinness and lightweight exhibit good microwave absorbing properties in the frequency of 8–18GHz.

کلمات کلیدی:

nanofibers, radar absorbing structures, fillers electrospinning method

لینک ثابت مقاله در پایگاه سیویلیکا: