

عنوان مقاله:

Stress Relaxation Behavior of Carboxylated Styrene Butadiene Rubber – MWCNT Nanocomposite

محل انتشار:

اولین کنفرانس بین المللی مواد پیشرفته (سال: 1391)

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خلاصه مقاله:

This study examines the stress relaxation behavior of carboxylated styrene butadiene rubber(XSBR)-multiwall carbon nanotube(MWCNT) nanocomposites prepared using a ball mill in the latex form. The subsequent experiments were carried out on solid samples. The stress relaxation experiment can be taken into account among the best approaches to pursue the microstructure of a nanocomposite particularly CNT one. CNT nanocomposites displayed a higher elastic behavior both in opposite and negative imposed second step strains, however, a stronger elastic behavior was observed for negative one

کلمات کلیدی:

Carboxylated styrene butadiene rubber –MWCNT- Relaxation time

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