Dielectric properties of graphene oxide doped P(VDF-TrFE) films.

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The samples of polyvinylidene fluoride/trifluoroethylene with different amount of graphene oxide dopant 5, 10, 15, 20 and 25% were fabricated and their phase situation were estimated. Moreover the para–ferroelectric phase transition was studied using the dielectric spectroscopy technique. The results of dielectric measurements allowed to perform Cole–Cole analysis and to estimate the activation energy of the films. On the basis of these results the influence of graphene oxide dopant on structure and properties of polyvinylidene fluoride/trifluoroethylene was discussed.

Słowa kluczowe

PVDF, phase transition, Dielectric measurements

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