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Thermal conductivity, morphology and mechanical properties for thermally reduced graphite oxide-filled ethylene vinylacetate copolymers

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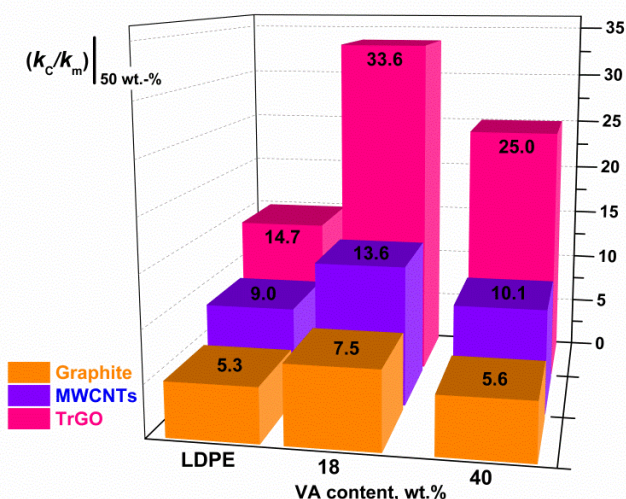
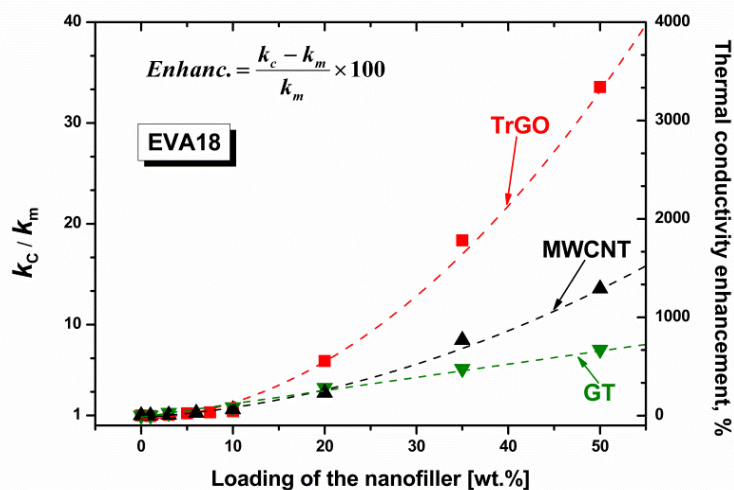
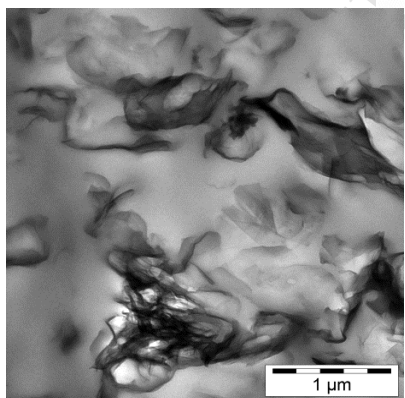
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## TOC-Abstract

Graphene nanocomposites are a new and promising class of filled polymeric materials. In this article, we present our recent work on the thermophysical, mechanical and morphological properties of nanocomposites filled with conducting graphene-nanofillers, introduced in polymer matrices of various polarity via melt mixing. Systematic variation of copolymers (Poly(ethylene-co-vinylacetate)) composition allowed us to change matrix properties and thus analyze the polymer/filler interactions.



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