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Journal of Elastomers and Plastics 2011 43: 137 originally published online 25 January
2011

DOI: 10.1177/0095244310393927

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Pressure Sensors Based on Polyvinyl Chloride/Graphite/Nickel Nanocomposites

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ABSTRACT: The composites based on polyvinyl chloride polymer matrix filled with foliated graphite/nickel nanoparticles with remarkable and reliable pressure sensitivity was successfully fabricated. The microstructure of the nanocomposites was characterized by means of scanning electron microscopy. The effect of graphite/nickel content on the thermal stability of polyvinyl chloride/graphite/nickel nanocomposites was studied *via* thermal gravimetric analysis. Thermal conductivity and glass transition temperature

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JOURNAL OF **ELASTOMERS AND PLASTICS** Vol. 43–March 2011

137

0095-2443/11/02 0137–17 \$10.00/0 DOI: 10.1177/0095244310393927

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