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The effects of agglomerate on the piezoresistivity of conductive carbon nanotube/polyvinylidene fluoride composites

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Highlights

- This paper focuses on the strain sensitivity of electrical conductivity of MWCNT/ polyvinylidene fluoride conductive polymer composite.
- An optimal combination of ductility and piezoresistivity is found in the composite slightly above the electrical percolation threshold.
- An improved model of piezoresistivity is established to take the effects of the filler random distribution and the filler agglomerate into consideration.

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