

### Supporting Information

Sample	Storage modulus (E') (MPa)	Loss modulus (E'') (MPa)	Maximum loss factor (tanδ <sub>max</sub> ) at room temperature	T <sub>g</sub> (°C)	Temperature range (°C)/ tanδ>0.3 (ΔT)	Piezoelectric coefficient (d <sub>33</sub> ) of the piezoelectric phase (pC/N)
PZT/carbon fiber(CF)/epoxy resin (EP) <sup>[1]</sup>	*	*	0.02	*	*	600 <sup>[8]</sup>
ZnO nanorod/carbon fiber (CF)/epoxy resin (EP) <sup>[2]</sup>	21200	318	0.015	*	*	12.4 <sup>[9]</sup>
PZT/carbon black (CB)/epoxy resin (EP) <sup>[3]</sup>	*	*	0.078	*	*	600 <sup>[8]</sup>
PZT/Fe/polydimethylsiloxane (PDMS) <sup>[4]</sup>	0.25	0.05	0.2	*	*	600 <sup>[8]</sup>
PZT/carbon nanotubes(CNT)/Polyamide 11 (PA 11) <sup>[5]</sup>	14500	260	0.018	*	*	600 <sup>[8]</sup>
PZT/multi-walled carbon nanotubes (CNT)/epoxy resin (EP) <sup>[6]</sup>	*	*	0.2	*	*	600 <sup>[8]</sup>
BaTiO <sub>3</sub> /carbon fiber(CF)/chlorinated polyethylene (CPE) <sup>[7]</sup>	250	67.5	0.27	*	*	42 <sup>[10]</sup>
(ZnSnO <sub>3</sub> /PVDF)@PPy nanofibers/epoxy resin (EP) <sup>(this work)</sup>	6261.6	522.6	0.083	117.3	102.6-135.2 (32.6)	51

\*Not given

### References

- 1 T. Tanimoto, *Compos. Sci. Technol.*, 2007, **67**, 213-221.
- 2 A. A. Skandani, N. Masghouni, S. W. Case, D. J. Leo and M. Al-Haik, *Appl. Phys. Lett.*, 2012, **101**, 073111.
- 3 M. Hori, T. Aoki, Y. Ohira and S. Yano, *Compos. Part A - Appl. S.*, 2001, **32**, 287-290.
- 4 S. K. Sharma, H. Gaur, M. Kulkarni, G. Patil, B. Bhattacharya and A. Sharma, *Compos. Sci. Technol.*, 2013, **77**, 42-51.
- 5 D. Carponcin, E. Dantras, G. Michon, J. Dandurand, G. Aridon, F. Levallois, L. Cadiergues and C. Lacabanne, *J. Non-Cryst. Solids*, 2015, **409**, 20-26.
- 6 S. Tian, F. Cui and X. Wang, *Mater. Lett.*, 2008, **62**, 3859-3861.
- 7 C. Zhang, J. F. Sheng, C. A. Ma and M. Sumita, *Mater. Lett.*, 2005, **59**, 3648-3651.
- 8 D. Xu, X. Cheng, X. Guo and S. Huang, *Constr. Build. Mater.*, 2015, **84**, 219-223.
- 9 D. Karanth and H. Fu, *Phys. Rev. B*, 2005, **72**, 064116.
- 10 J. Shi, I. Grinberg, X. Wang and A. M. Rappe, *Phys. Rev. B*, 2014, **89**, 094105.