Supplementary Information

Augmenting static and dynamic mechanical strength of carbon nanotube/epoxy soft nanocomposites via modulation of purification and functionalization routes

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Fig. S1 SEM micrograph showing average length and diameter of CNTs.

Fig. S2 EDX analysis of CNTs a) Oxidized @350 °C, b) Oxidized @400 °C, c) COOH functionalized after Oxi@350 °C, d) COOH functionalized after Oxi @400 °C, e) CONH Oxi @350 °C and f) CONH Oxi @400 °C CNTs.
**Fig. S3** Variation of load $F$ as a function of displacement $\delta$ of various CNT/epoxy nanocomposites under (a) 3 point bending test and (b) tensile loading.

**Fig. S4:** Bar graph showing glass transition temperature ($T_g$) of each of the CNT/epoxy nanocomposites.