Supplementary Material

Styrene-butadiene-styrene-based stretchable electrospun nanofibers by carbon nanotube inclusion

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Table S1 XPS peak table of SBS/PStyr.

Name	Start BE	Peak BE	End BE	FWHM eV	Area (P) CPS.eV	Atomic %
O1s C=O	544,28	532,34	525,18	1,73	23354,34	6,5
O1s C-O	544,28	533,69	525,18	1,73	13389,68	3,8
C1s sp3	297,28	284,8	279,18	1,54	17700,34	12,0
C1s C-O	297,28	285,8	279,18	0,8	3839,21	2,6
C1s C=O	297,28	286,6	279,18	1,54	13914,28	9,4
C1s OCO	297,28	288,73	279,18	1,73	3970,6	2,7
C1s sp2	297,28	284,42	279,18	1,37	89504,3	60,5
C1s Pi-Pi*	297,28	291,15	279,18	1,69	3638,2	2,5

Table S2 XPS peak table of SBS/PStyr/CNT.

Name	Start BE	Peak BE	End BE	FWHM eV	Area (P) CPS.eV	Atomic %
O1s C**=O**	544,28	531,78	525,18	1,73	9481,72	3,25
O1s C-O	544,28	533,26	525,18	1,73	4216,25	1,45
C1s sp3	297,28	285,19	279,18	1,54	1377,53	1,14
C1s C-O	297,28	285,8	279,18	0,88	3761,05	3,12
C1s C=O	297,28	286,6	279,18	1,54	4805,8	3,99
C1s OCO	297,28	288,73	279,18	1,73	40,35	0,03
C1s sp2	297,28	284,44	279,18	1,29	102263,89	84,68
C1s Pi-Pi*	297,28	291,02	279,18	1,75	2821,21	2,35

Table S3 XPS peak table of PStyr/PBu.

Name	Start BE	Peak BE	End BE	FWHM eV	Area (P) CPS.eV	Atomic %
O1s C=O	544,28	531,83	525,18	1,65	22968,25	7,8
O1s C-O	544,28	534	525,18	1,73	3586,14	1,2
C1s sp3	297,28	285,2	279,18	0,63	1758,52	1,5
C1s C-O	297,28	285,8	279,18	0,97	5497,91	4,5
C1s C=O	297,28	286,6	279,18	1,54	6149,42	5,1
C1s OCO	297,28	288,73	279,18	1,73	37,09	0,0
C1s sp2	297,28	284,31	279,18	1,4	94513,47	77,7
C1s Pi-Pi*	297,28	290,95	279,18	1,68	2605,36	2,2

Table S4 XPS peak table of PStyr/PBu/CNT.

Name	Start BE	Peak BE	End BE	FWHM eV	Area (P) CPS.eV	Atomic %
O1s C=O	544,28	531,78	525,18	1,73	9481,72	3,25
O1s C-O	544,28	533,26	525,18	1,73	4216,25	1,45
C1s sp3	297,28	285,19	279,18	1,54	1377,53	1,14
C1s C-O	297,28	285,8	279,18	0,88	3761,05	3,12
C1s C=O	297,28	286,6	279,18	1,54	4805,8	3,99
C1s OCO	297,28	288,73	279,18	1,73	40,35	0,03
C1s sp2	297,28	284,44	279,18	1,29	102263,89	84,68
C1s Pi-Pi*	297,28	291,02	279,18	1,75	2821,21	2,35

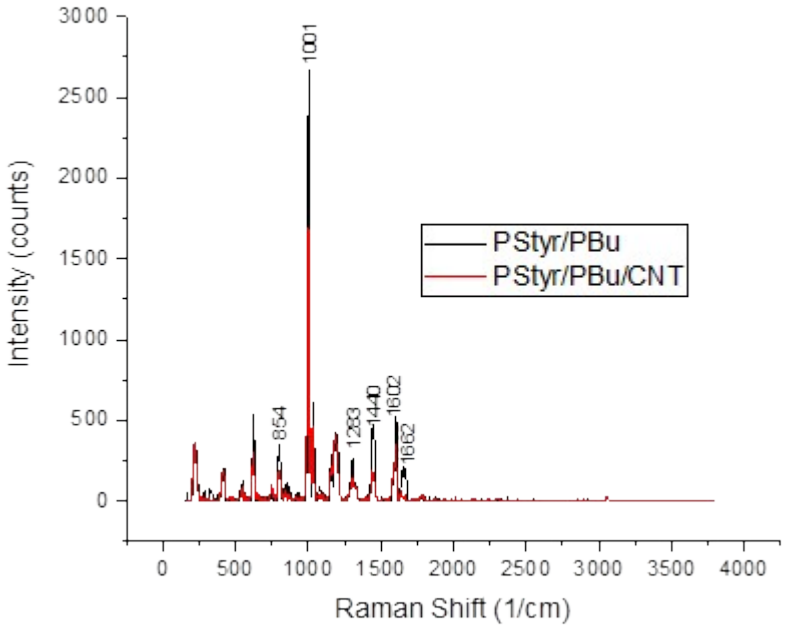

Fig. S1 Comparison of the Raman plots for PStry/PBu and PStry/PBu/CNT samples.

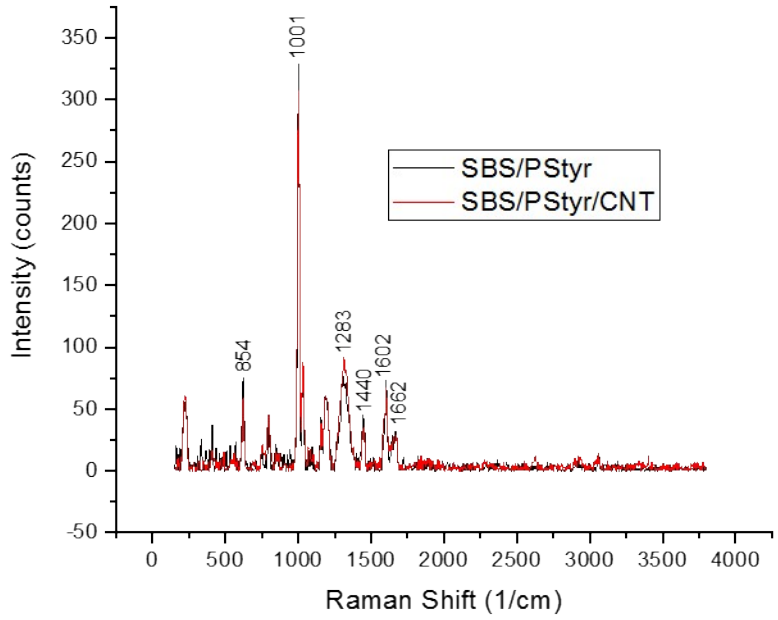

Fig. S2 Comparison of the Raman plots for SBS/PStyr and SBS/PStyr/CNT samples

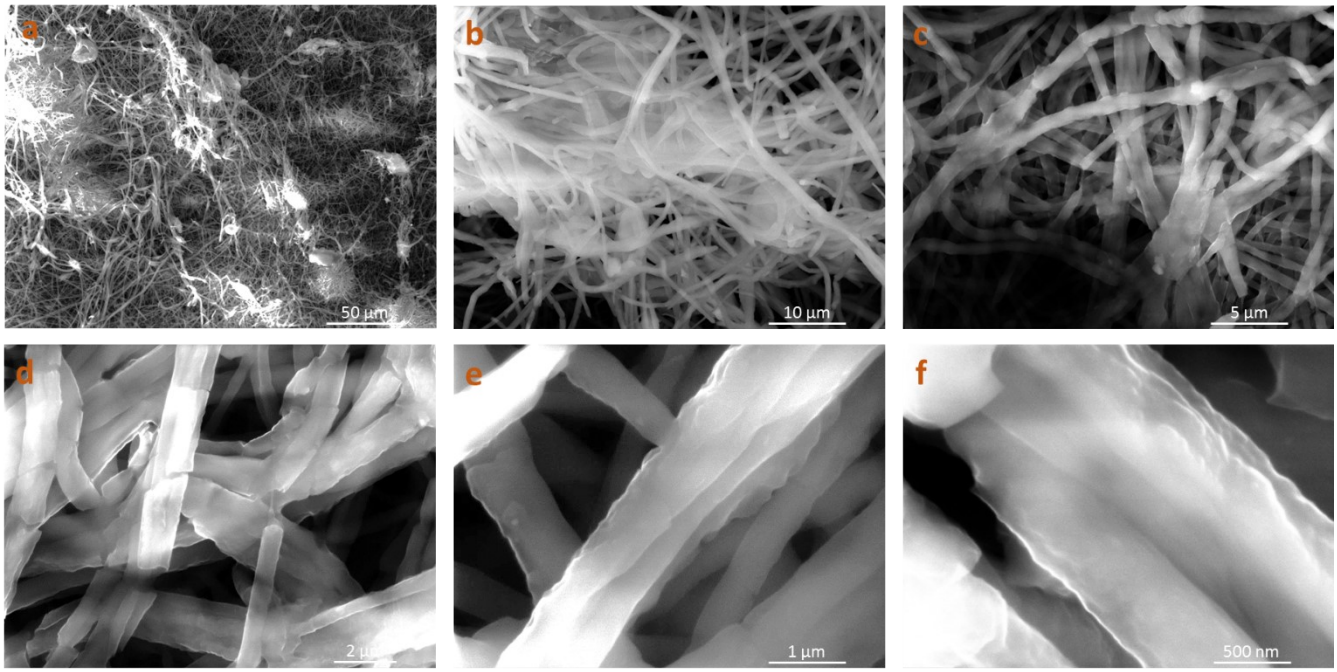

Fig. S3 SEM imaging of the PStyr/PBu sample at (a) 1000×, (b) 5000×, (c) 10000×, (d) 20000×, (e) 50000×, (f) 100000×.

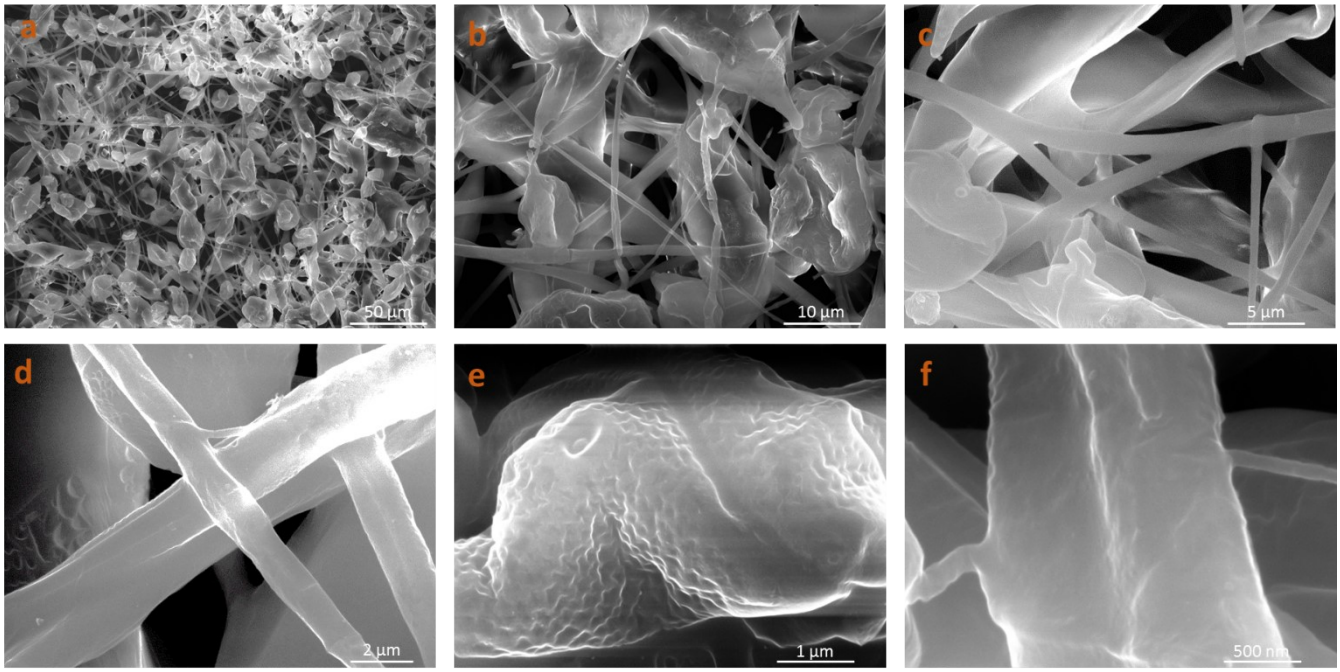

Fig. S4 SEM imaging of the PStyr/PBu/CNT sample at (a) 1000×, (b) 5000×, (c) 10000×, (d) 20000×, (e) 50000×, (f) 100000×.