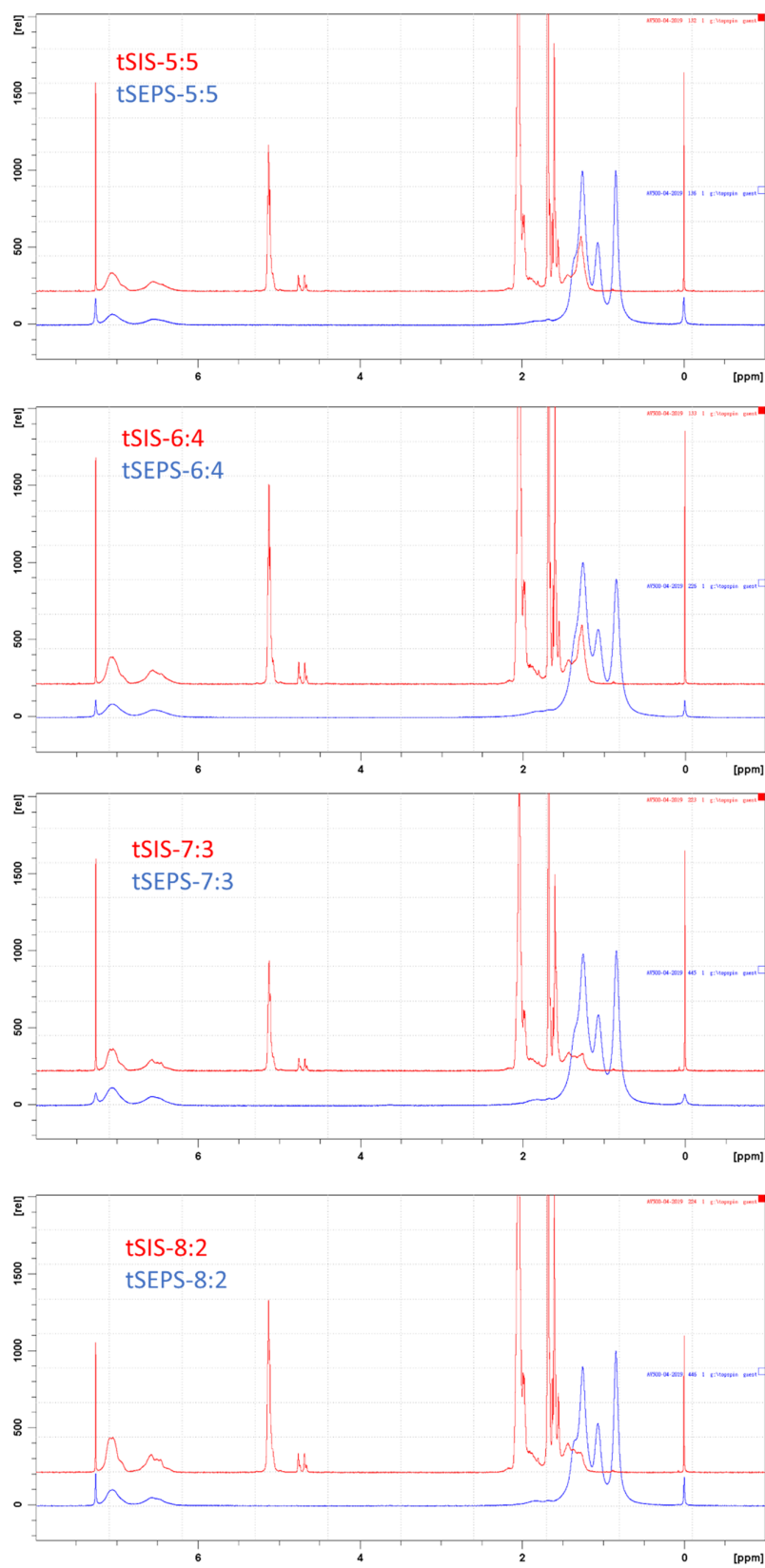


Supplementary materials

Table S1 Proton chemical shift δ of tSIS

6.5-7.2 ppm	peak a; assigned to aromatic proton on styrene
5.0-5.2 ppm	peak b; assigned to the olefinic proton of isoprene units in 1,4 addition
4.5-4.8 ppm	peak c; assigned to the olefinic proton of isoprene units in 3,4 addition
1.8-2.2 ppm	peak d-g; assigned to the proton of $-\text{CH}_2-$ and $>\text{CH}-$ of isoprene
1.6-1.8 ppm	peak h-k; assigned to saturated protons of the methyl group of 1, 4 isoprene and 3, 4 isoprene. Protons of $-\text{CH}_2-$ and $>\text{CH}-$ of the aromatic ring of styrene
1.3 ppm	peak l; assigned to the proton of butyl group of tBS

Fig. S1



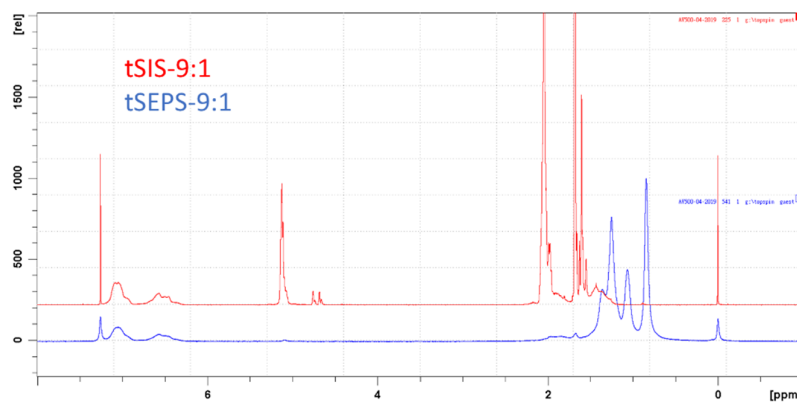


Figure S1. ¹H-NMR Spectrum of tSIS and tSEPS block copolymer with different ratio of styrene to tBS

Fig. S2

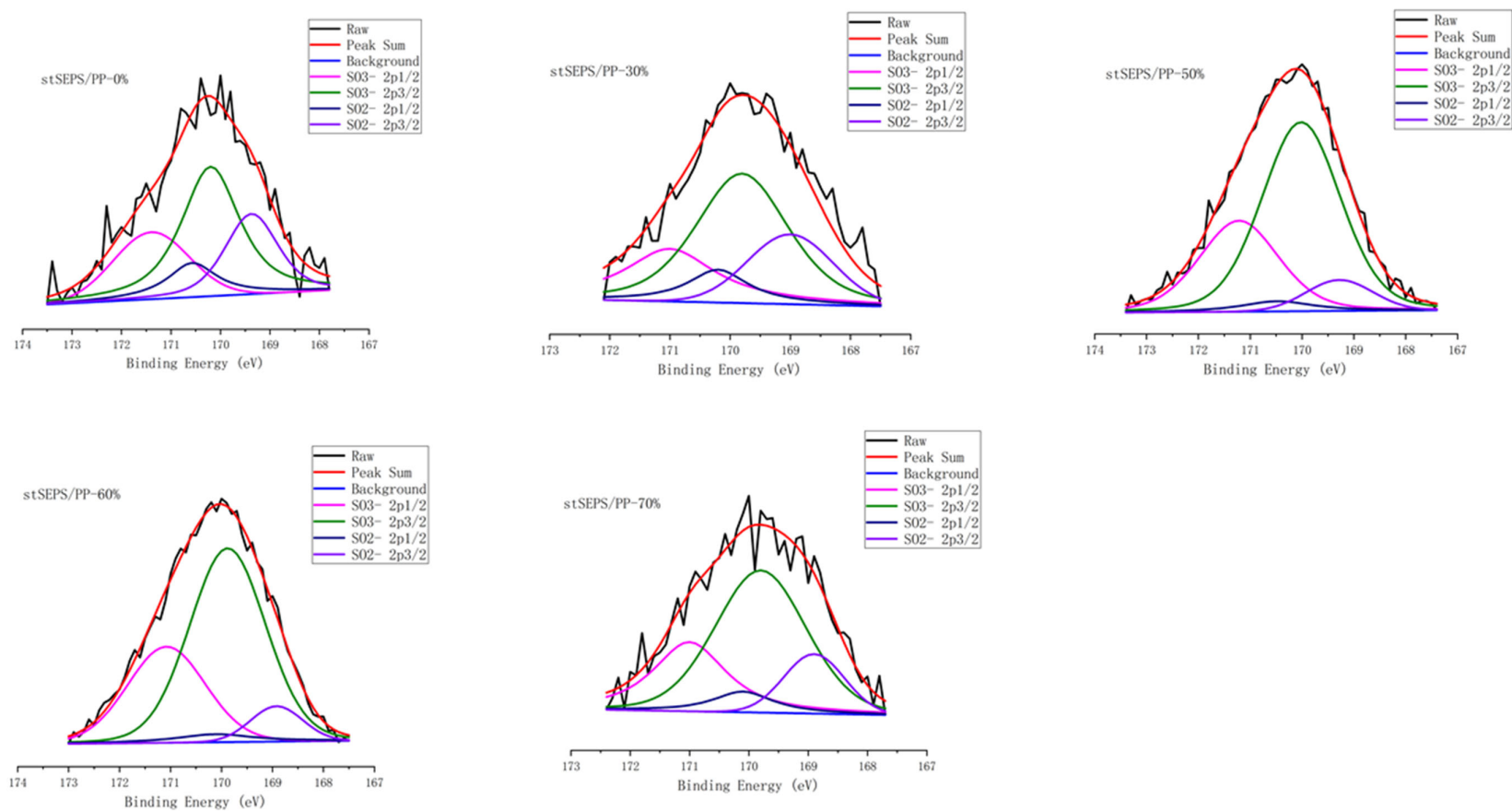


Figure S2. The S2p spectra in stSEPS/PP copolymer films

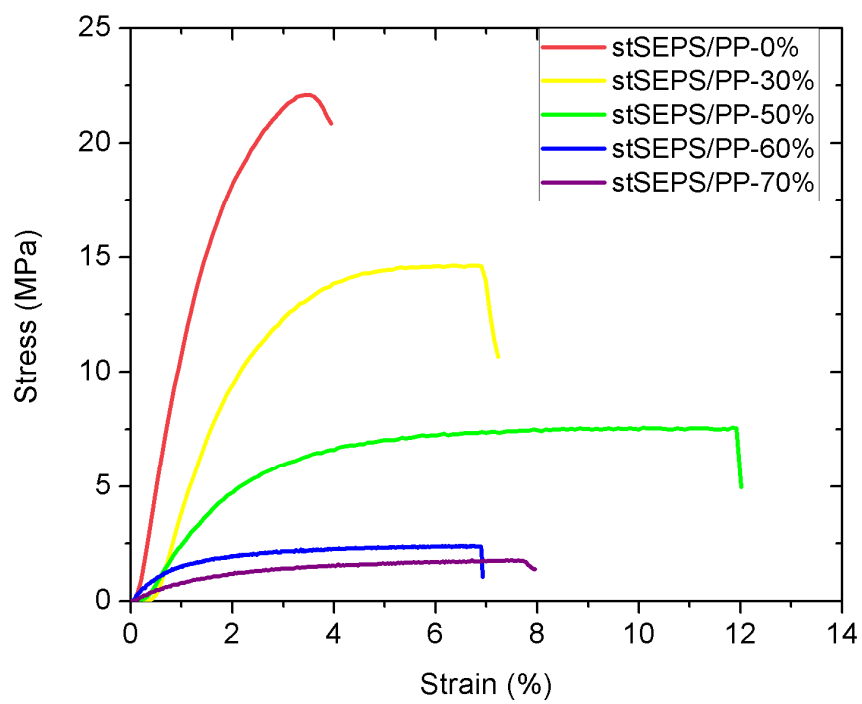
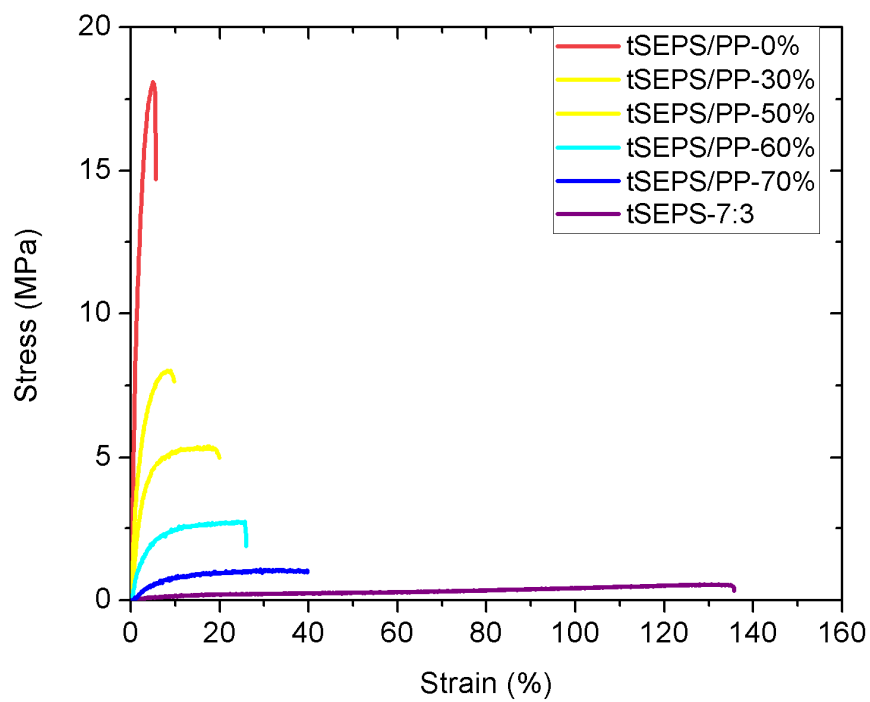


Figure S3. The stress-strain analysis for different specimen