Supporting Information

Segmental dynamics and physical aging of polystyrene/silver nanocomposites

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Fig. S1 (a) TEM image and (b) diameter distribution of silver nanoparticles.

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Fig. S2 Dielectric loss as a function of frequency for (a) PS/Ag-3% and (b) PS/Ag-10% nanocomposites at various temperatures.

Fig. S3 FTIR spectra of pure PS and PS/Ag nanocomposites with 3 and 10 wt% Ag nanoparticles.
Fig. S4 Shape parameters of the $\alpha$-relaxation at 393 K for PS/Ag nanocomposites with various Ag nanoparticle loading.