Supporting Information

Thermally-Healable Network Solids of Sulfur-Crosslinked Poly(4-allyloxystyrene)

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Figure S1. $^1$H NMR spectrum of PVP.

Figure S2. $^1$H NMR spectrum of PAO.
Figure S3. IR spectrum of PAOS$_{10}$.

Figure S4. IR spectrum of PAOS$_{20}$. 
Figure S5: IR spectrum of PAOS$_{30}$.

Figure S6: IR spectrum of PAOS$_{40}$. 
Figure S7: IR spectrum of PAOS$_{50}$.

Figure S8: IR spectrum of PAOS$_{60}$.
Figure S9: IR spectrum of PAOS$_{70}$.

Figure S10: IR spectrum of PAOS$_{80}$.
Figure S11: IR spectrum of PAOS₉₀.

Figure S12: IR spectrum of PAOS₉₉.
Figure S13: DSC curve of PAO.

Figure S14: DSC curve of sulfur.
Figure S15: DSC curve of $\text{PAOS}_{10}$.

Figure S16: DSC curve of $\text{PAOS}_{20}$. 
Figure S17: DSC curve of PAOS$_{30}$.

Figure S18: DSC curve of PAOS$_{40}$.
Figure S19: DSC curve of $\text{PAOS}_{50}$.

Figure S20: DSC curve of $\text{PAOS}_{60}$. 
Figure S21: DSC curve of PAOS\textsubscript{70}.

Figure S22: DSC curve of PAOS\textsubscript{80}.
Figure S23: DSC curve of PAOS\textsubscript{90}.

Figure S24: DSC curve of PAOS\textsubscript{99}.