

Supporting Information

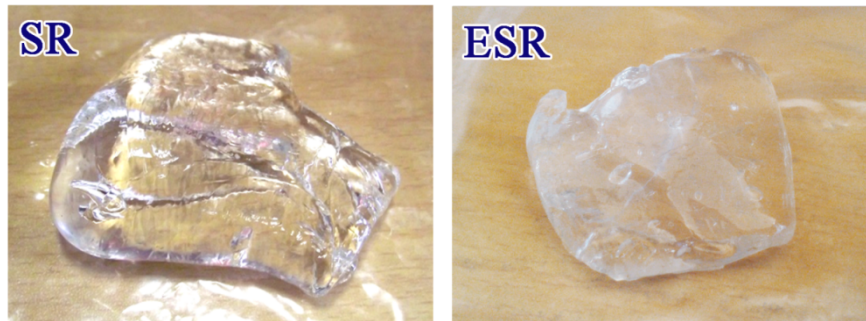


Figure S1. The photographs of SR and ESR.

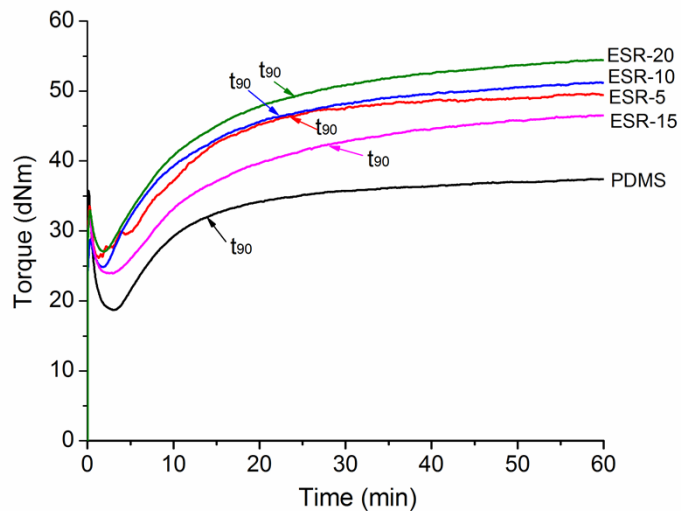
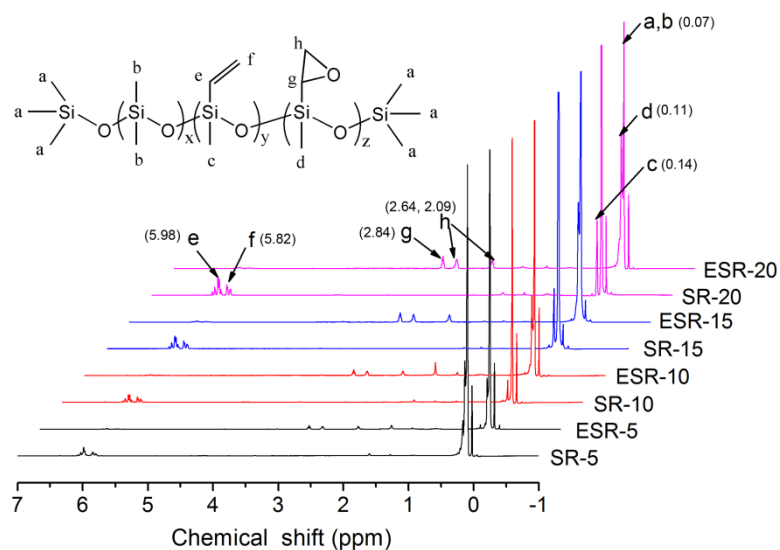


Figure S2. Curing curves of silica/PDMS blend and silica/ESR blends.



Sample	SR-5	SR-10	SR-15	SR-20	ESR-5	ESR-10	ESR-15	ESR-20
Integral of $-\text{CH}_3$	1	1	1	1	1	1	1	1
Integral of $-\text{CH}=\text{CH}_2$	0.0257	0.0526	0.0856	0.1130	0.0022	0.0035	0.0056	0.0079

Figure S3. ^1H NMR spectra of SRs and ESRs.

Table S4. Thermal properties of PDMS, SRs and ESRs.

Sample	T_g (°C)	T_c (°C)	ΔH_c (J/g)	T_{cc} (°C)	ΔH_{cc} (J/g)	T_m (°C)	ΔH_m (J/g)
PDMS	-125.5	-81.8	29.1	-	-	-43.1	29.1
SR-5	-125.8	-86.6	25.4	-	-	-50.6	25.7
SR-10	-127.8	-	-	-94.8	19.3	-60.6	19.4
SR-15	-128.2	-	-	-	-	-	-
SR-20	-128.8	-	-	-	-	-	-
ESR-5	-123.2	-	-	-82.4	20.8	-50.2	21.2
ESR-10	-119.2	-	-	-	-	-	-
ESR-15	-116.2	-	-	-	-	-	-
ESR-20	-113.0	-	-	-	-	-	-

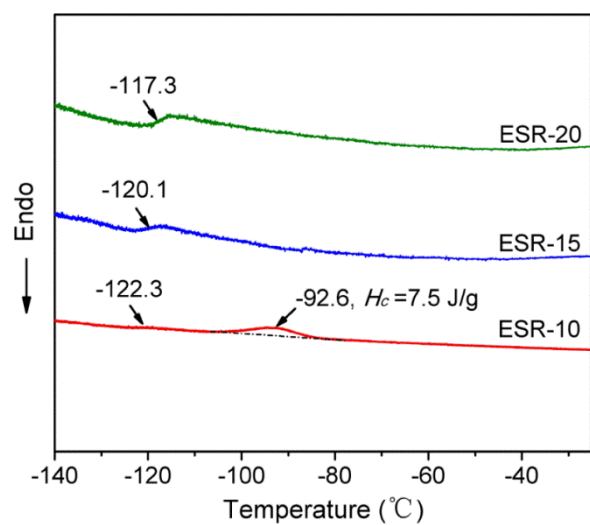


Figure S5. The DSC cooling curves of ESRs (cooling rate: 1°C/min).