

Supporting Information

Epoxy/Polysiloxane Intimate Intermixing Networks Driven by Intrinsic Motive Force to Achieve their Potential Ultralow-Temperature Damping Applications

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Table S1. The epoxy value of DADGEBA and SH-EP

Sample code	Calculated epoxy value (mol /100g)	Experimental epoxy value (mol /100g)
DADGEBA	0.458 ^a	0.461 ^c
SH-EP	0.238 ^b	0.232 ^c

^aThe calculated epoxy value of DADGEBA was determined by ¹H-NMR.

^bThe calculated epoxy value of SH-EP was determined by the experimental epoxy value and the weight ratios of DADGEBA.

^cThe experimental epoxy value was determined by titration.

Table S2. Formulation of SH-EP and Si-EP

Sample code	Content (g)		
	DADGEBA	γ -SH	Trimethoxypropylsilane
SH-EP	100	105.50	---
Si-EP	100	---	87.74

SH-EP is obtained by the click reaction, while Si-EP is obtained by mixing raw materials together.

Note that both SH-EP and Si-EP have the same molar mass of alkoxy groups.

Table S3. Formulation of SH-EP-40 and Si-EP-40 networks

Content (g)					
	SH-EP	Si-EP	D230	PDMS-OH	DBTDL^a (%)
Sample code					
SH-EP-40	100	0	14.50	40	0.1
Si-EP-40	0	100	14.46	40	0.1

^aThe weight of DBTDL on the basis of the weight of PDMS-OH is 0.1 %.

Note that the weight of dry toluene is four times of the total amount of SH-EP and PDMS-OH.

SH-EP is obtained by the click reaction, while Si-EP is obtained by mixing raw materials together.