

Supporting informations

Table S1

Thermomechanical, tensile and shape memory properties of SM polymers

System	G_r MPa	G_s GPa	T_g °C	σ_b MPa	ε_b %	σ_r MPa
DGEBA-D400	7.6	1.7	52	2.3	20	0.42
DGEBA-D400-T14	17	1.3	55	4.5	18	0.57
DGEBA-D400-T25	21	1.4	68/55	5.0	22	1.2
DGEBA-D400-T14-C4Cl	18	1.5	55	5.8	27	2.4
DGEBA-D400-T25-C4Cl	24	1.4	73	6.1	32	2.7
DGEBA-D230	9	1.4	91	1.35	14	0.40
DGEBA-D230- M600(0.1)	9.7	1.4	55	0.83	30	0.62
DGEBA-D230- M600(0.1)-T14	12.4	1.2	86/66	1.81	29	1.55
DGEBA-A(0.3)-E(0.2)-Lar(0.5)	3.4	0.24	76	2.0	103	1.6
DGEBA-A(0.3)-E(0.2)-Lar(0.5)-T7	7.6	0.45	88	3.1	52	1.9
DGEBA-A(0.3)-E(0.2)-Lar(0.5)-T14	76	0.45	90	5.8	47	3.7

T_g evaluated as a maximum of the $\tan \delta$ peak

G_r – rubbery modulus measured at $T=T_g+30\text{ °C}$

G_s – modulus at setting temperature $T_s=25\text{ °C}$

σ_b and ε_b measured at T_d

Table S2

Tensile strength (σ_b) and elongation at break (ε_b) of the selected SM systems at room temperature

system	σ_b , MPa	ε_b , %
DGEBA-D400	47	6
DGEBA-D400-T(14)	54	7
DGEBA-D400-T(14)-C ₄ Cl	61	9
DGEBA-D400-T(25)-C ₄ Cl	66	7
DGEBA-D230	51	5.5
DGEBA-D230-T(14)	57	7.3
DGEBA-A(0.3)-E(0.2)-L(0.5)	34	35