

Electronic supplementary information (ESI)

Analysis of the Effect of Network Structure and Disulfide Concentration on Vitrimer Properties

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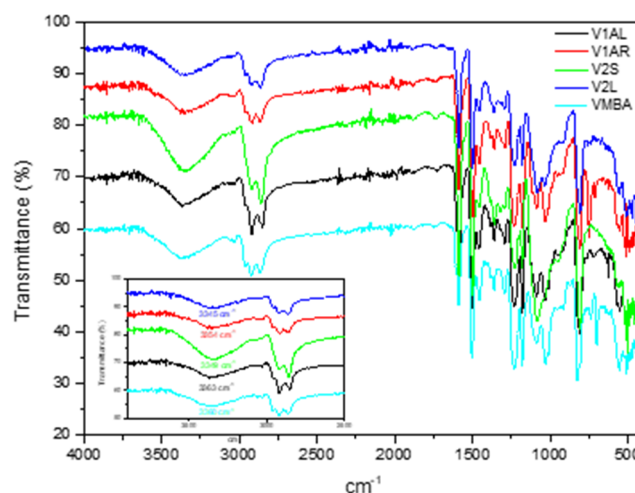


Figure S1: FTIR spectra all prepared vitrimers.

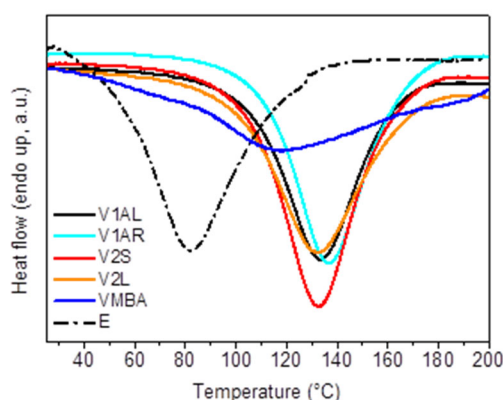


Figure S2: Curing thermograms of epoxy resins measured by DSC at 1 °C min^{−1} heating rate.

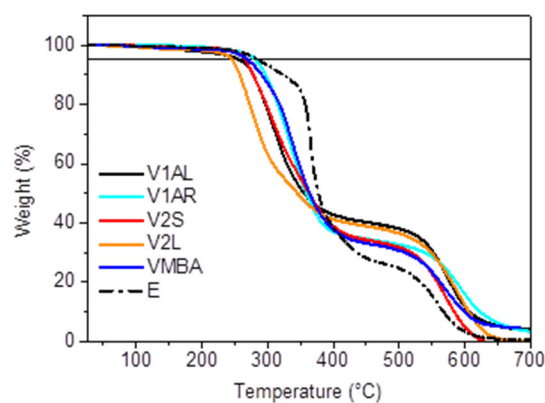


Figure S3: Thermograms of cured vitrimers measured by TGA at $10\text{ }^{\circ}\text{C min}^{-1}$ heating rate under air atmosphere.

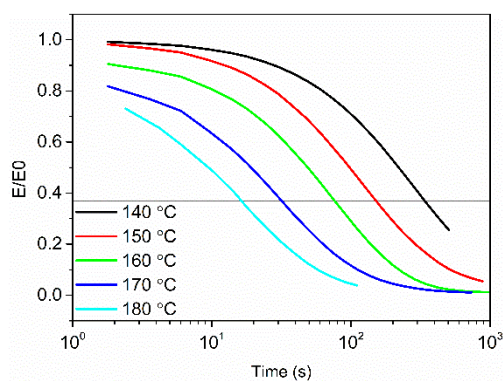


Figure S4: Stress relaxation curves of V1AL measured by DMA at T ($T = 140\text{ }^{\circ}\text{C}$, $150\text{ }^{\circ}\text{C}$, $160\text{ }^{\circ}\text{C}$, $170\text{ }^{\circ}\text{C}$, $180\text{ }^{\circ}\text{C}$) under 1 % strain.

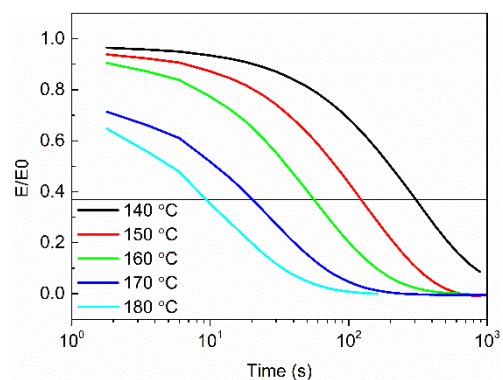


Figure S5: Stress relaxation curves of V1AR measured by DMA at T ($T = 140\text{ }^{\circ}\text{C}$, $150\text{ }^{\circ}\text{C}$, $160\text{ }^{\circ}\text{C}$, $170\text{ }^{\circ}\text{C}$, $180\text{ }^{\circ}\text{C}$) under 1 % strain.

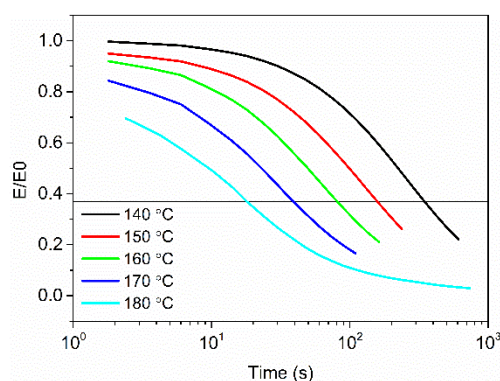


Figure S6: Stress relaxation curves of V2S measured by DMA at T (T = 140 °C, 150 °C, 160 °C, 170 °C, 180 °C) under 1 % strain.

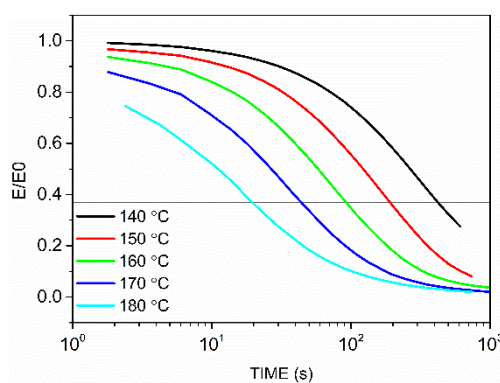


Figure S7: Stress relaxation curves of V2L measured by DMA at T (T = 140 °C, 150 °C, 160 °C, 170 °C, 180 °C) under 1 % strain.

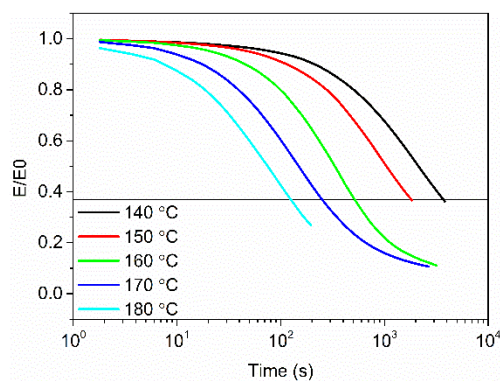


Figure S8: Stress relaxation curves of VMBA measured by DMA at T (T = 140 °C, 150 °C, 160 °C, 170 °C, 180 °C) under 1 % strain.