

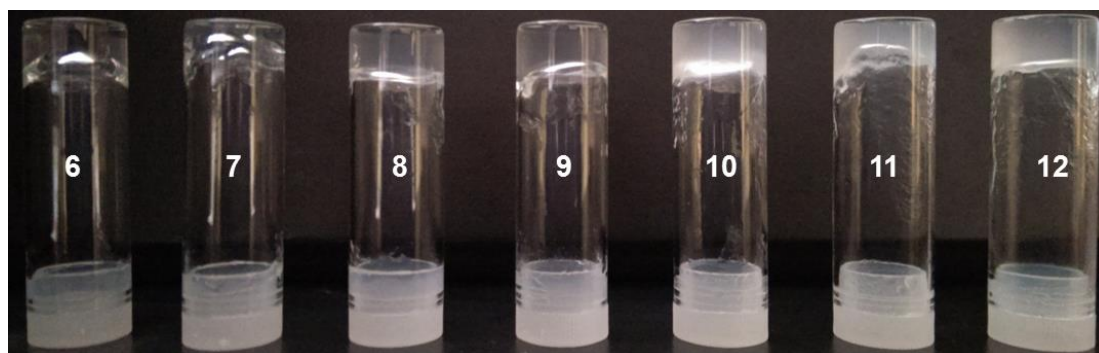
Supplementary information  
For

**Tunable mechano-responsive organogels by ring-opening copolymerizations of *N*-carboxyanhydrides**

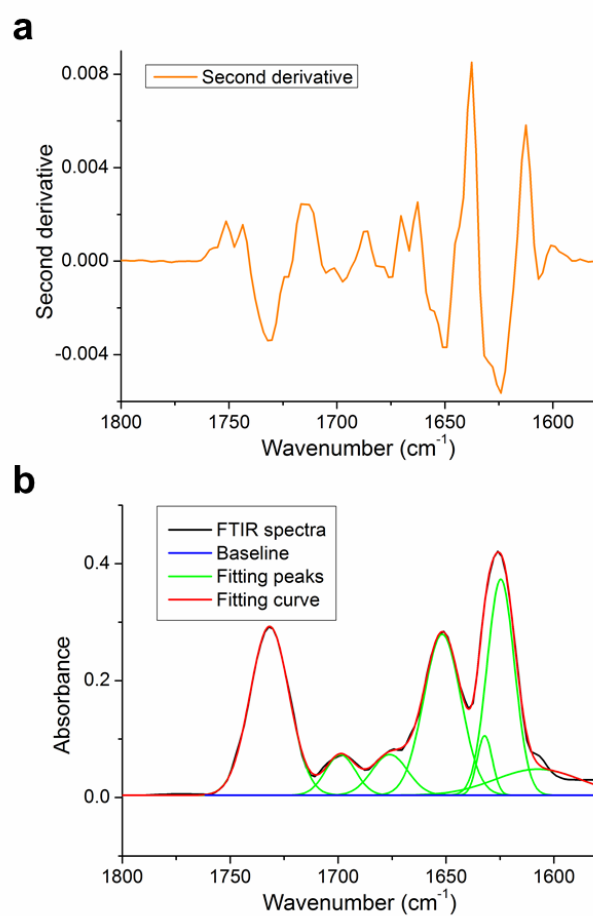
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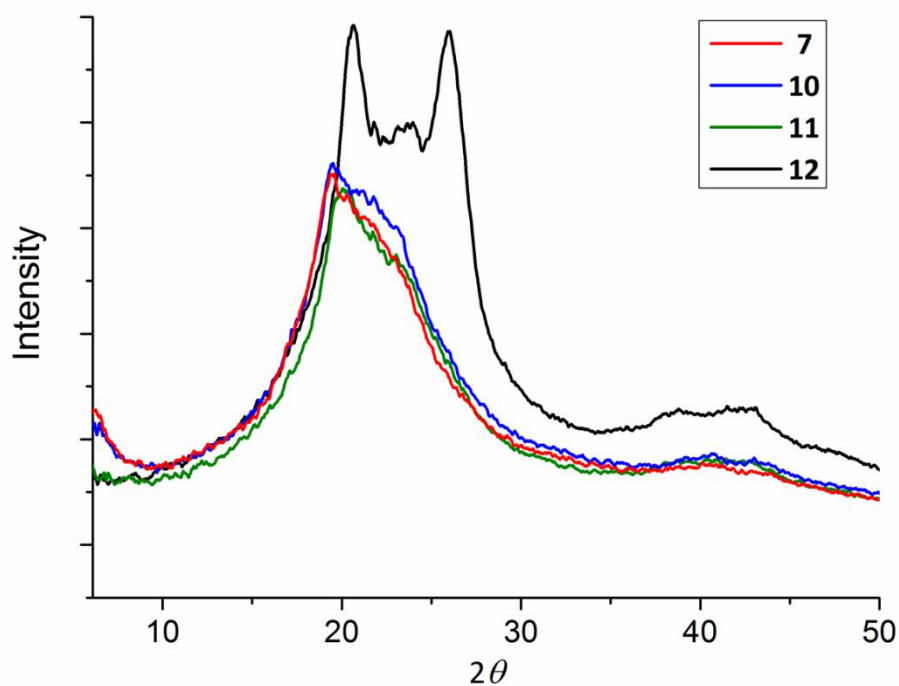
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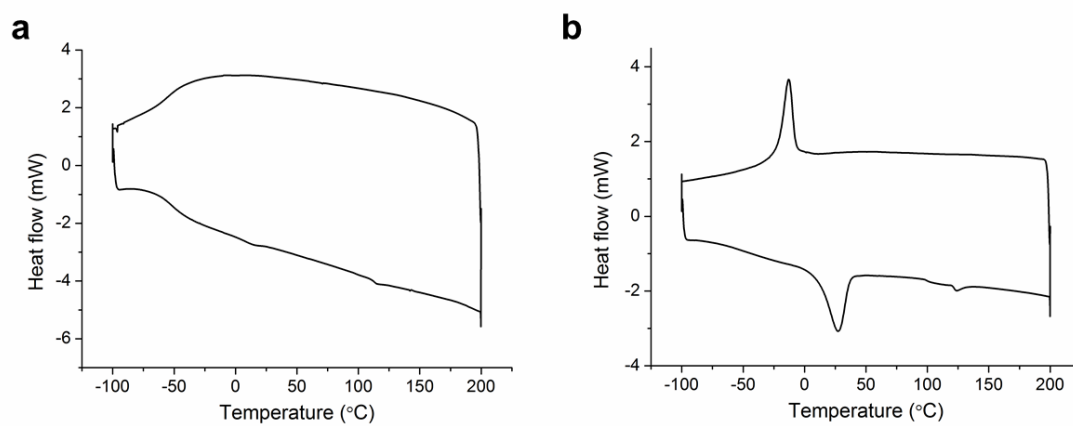
**Fig. S1** Images of organogels from polymers **6**, **7**, **8**, **9**, **10**, **11** and **12** in DMF (2.5 wt %).



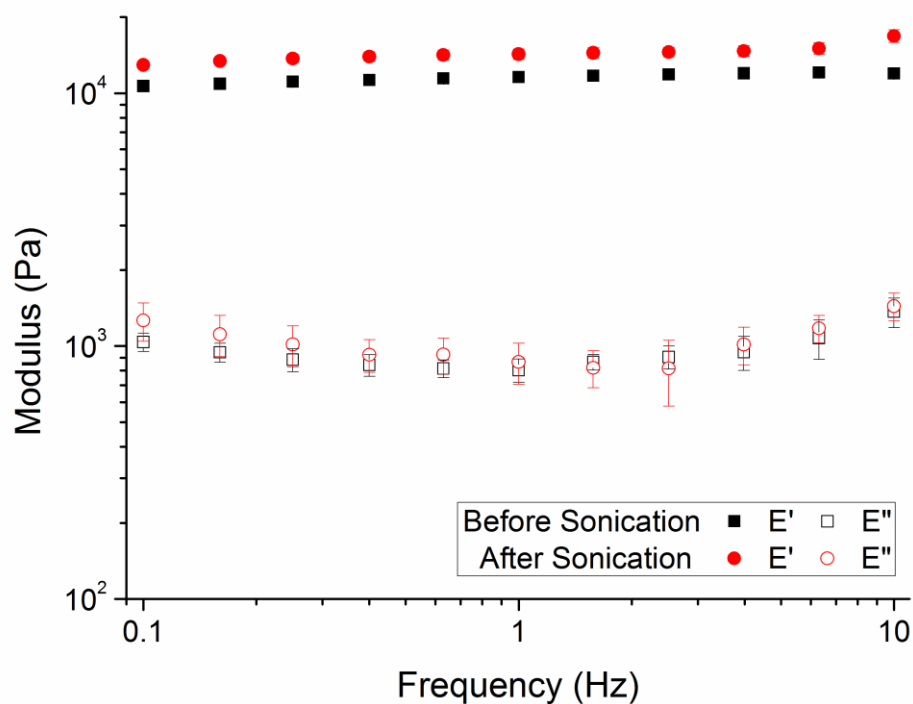
**Fig. S2** (a) Second derivative and (b) ATR-FTIR spectra (black), fitting curve (red), baseline (blue) and fitting peaks (green) for polymer **7** in the solid state.



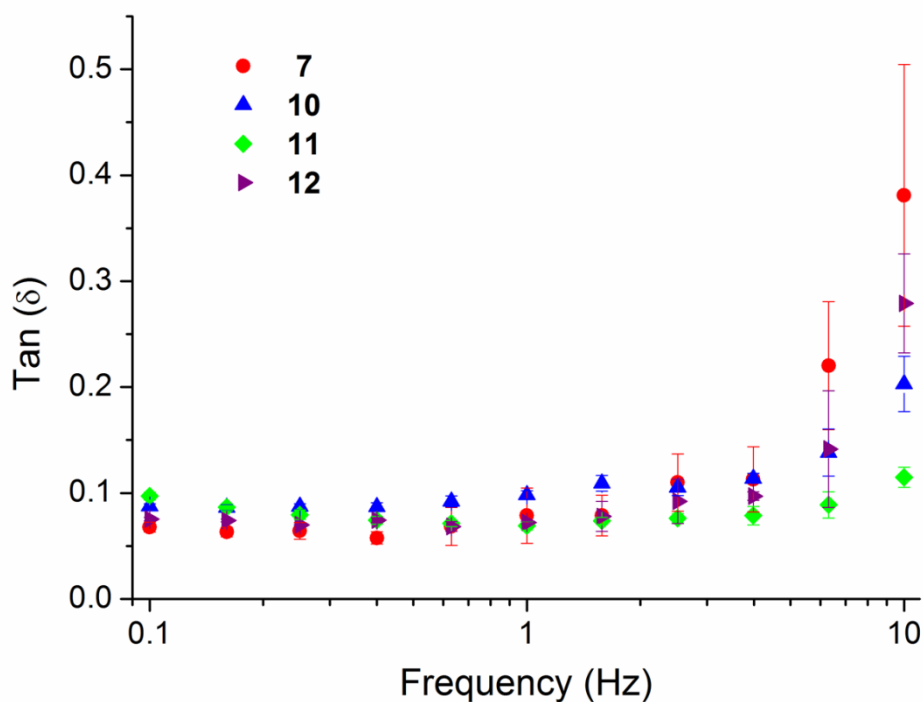
**Fig. S3** WAXS patterns for polymers **7**, **10**, **11** and **12** in the solid state.



**Fig. S4** DSC traces of polymers (a) **11** and (b) **12** in the solid state. The samples were heated from -100 °C to 200 °C and cooled back to -100 °C, each with a rate of 10 °C /min. The second heating and cooling traces are shown here.



**Fig. S5** Moduli of organogels from polymer **11** in DMF (5 wt %) before and after sonication as a function of frequency conducted by DMA.  $E'$  and  $E''$  indicate storage and loss modulus, respectively.



**Fig. S6**  $\tan(\delta)$  of organogels from polymers **7**, **10**, **11** and **12** in DMF (5 wt %) as a function of frequency, conducted by DMA.