Supporting information

The influence of swelling on elastic properties of polyacrylamide hydrogels

Ramesh Subramani [1,2], Alicia Izquierdo-Alvarez [3], Pinaki Bhattacharya [3,4], Mathieu Meerts [5], Paula Moldenaers [5], Herman Ramon [1], Hans Van Oosterwyck [3, 6] *

* Correspondence:
Hans Van Oosterwyck
hans.vanoosterwyck@kuleuven.be

AFM and Swelling data as a function of time for soft and softest hydrogels (Short- term experiments)

	Soft		Softest	
Hrs	E (Pa)	Swelling ratio (-)	E (Pa)	Swelling ratio (-)
0	1610.0 ± 199.23	18.3 ± 0.88	721.5 ± 106.6	15.0 ± 2.29
3	1454.0 ± 191.39	25.8 ± 1.58	400.0 ± 70.0	32.1 ± 5.16
6	1135.1 ± 63.83	27.4 ± 2.20	395.1 ± 73.99	39.5 ± 8.20
9	1175.2 ± 47.25	25.5 ± 1.45	294.7 ± 62.01	38.5 ± 8.11
12	1225.0 ± 98.55	25.3 ± 1.21	319.8 ± 89.89	40.3 ± 8.62
24	1166.7 ± 191.66	24.8 ± 1.18	320.1 ± 97.37	42.8 ± 11.0

Table S1: Mean ± standard deviation of elastic modulus and swelling ratio for soft and softest hydrogels as a function of each time point.