

Figure 1s. Thermograms for aqueous HPC solutions in different aqueous media.

Table 1s. Cloud point temperature for HPC based solution as a function of time.

Sample	Time from preparation / minutes	$t_c / ^\circ\text{C}$
HPC 2 wt %	60	46.8
	288	46.9
	516	46.7
HPC 2 wt % + Laponite RD 0.9 wt %	60	48.6
	288	48.4
	516	48.3
HPC 2 wt % + Laponite RD 1 wt % in KCl 5 mmol kg ⁻¹	60	46.5
	288	46.6
	516	46.6

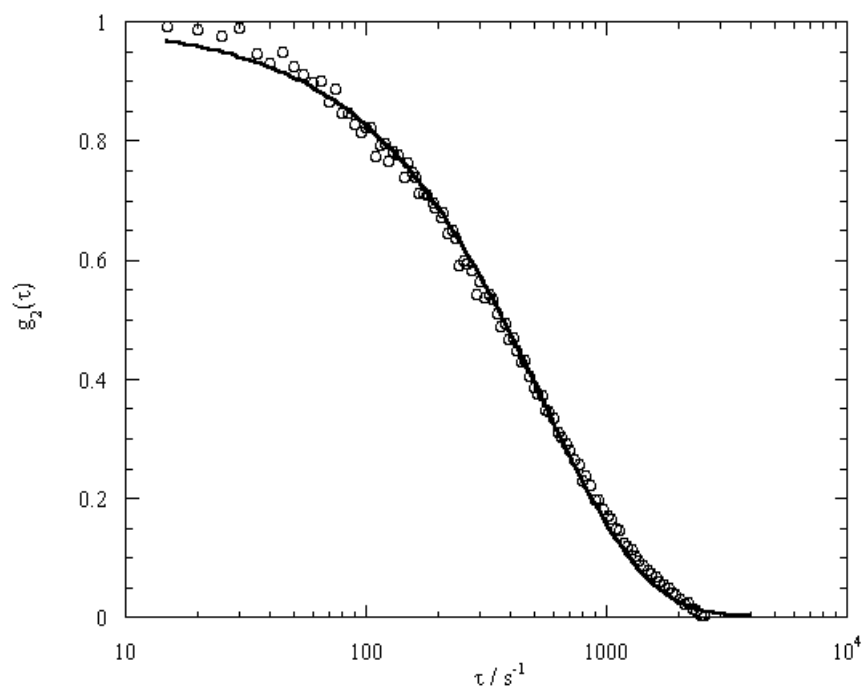


Figure 2s. Intensity-time correlation functions of HPC 0.125 wt% + Laponite RD 0.025 wt%. Line is best fit according to the mono-exponential decay.