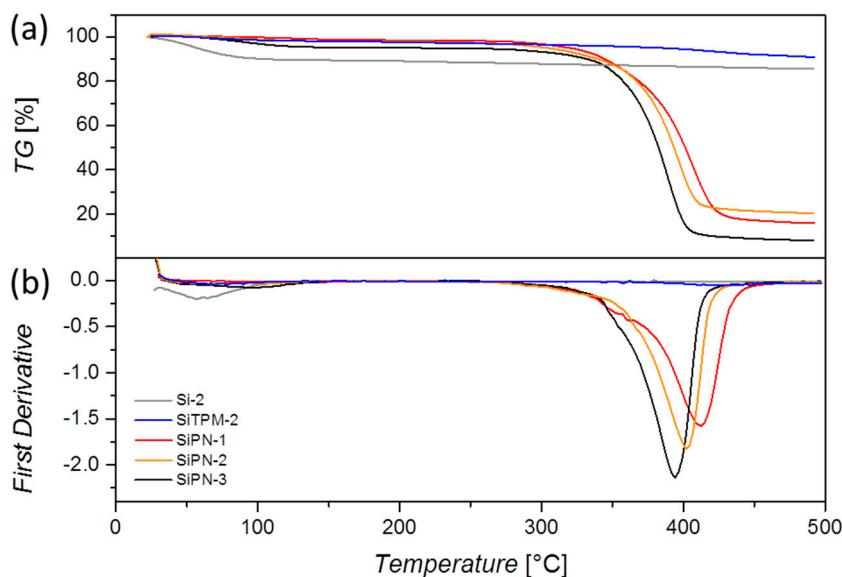


*Article*

# Tuning the Size of Thermoresponsive Poly(*N*-Isopropyl Acrylamide) Grafted Silica Microgels

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## 1. TGA measurements



**Figure S1.** TGA measurements (a) and its derivative (b) of Si-2, SiTPM-2, SiPN-1, SiPN-2 and SiPn3.

**Table S1.** Weight loss of the sample:Si2, SiTPM-2, SiPN-1, SiPN-2 and SiPn3 within the temperature range 25-150 °C (region 1) and within the temperature range 150-500 °C (region 2) and residue at 500 °C. In the first region the weight loss corresponds to the solvent evaporation. In the second region the weight loss corresponds to the thermal decomposition of the organic content.

name	1 <sup>st</sup> region			2 <sup>nd</sup> region			Residue at 500°C [%]
	Range [°C]	Peak [°C]	Weight loss [%]	Range [°C]	Peak [°C]	Weight loss [%]	
Si-2	25-150	56.8	10.3	150-500	-	3.9	<b>85.8</b>
SiTPM-2	25-150	-	2.0	150-500	422.3	7.2	<b>90.8</b>
SiPn-1	25-150	-	1.4	150-500	412.3	83.0	<b>15.6</b>
SiPn-2	25-150	-	2.9	150-500	401.3	77.8	<b>19.3</b>
SiPn-3	25-150	99.3	5.6	150-500	394.3	87.2	<b>7.2</b>