

Supporting Information

Table S1. Crystallization enthalpies and temperatures obtained for the EB-co- δ -HL copolymers at cooling rates in the 5 - 30 °C min⁻¹ range.

SAMPLE	5 °C min ⁻¹		10 °C min ⁻¹		20 °C min ⁻¹		30 °C min ⁻¹	
	ΔH (J g ⁻¹)	T _c (°C)	ΔH (J g ⁻¹)	T _c (°C)	ΔH (J g ⁻¹)	T _c (°C)	ΔH (J g ⁻¹)	T _c (°C)
PEB	91.1	52.1	86.5	49.2	84.8	44.7	83.5	40.9
EB-HL 90	89.3	47.9	86.0	47.2	85.0	40.2	84.9	35.4
EB-HL 83	76.0	41.2	75.2	36.8	71.6	29.0	69.1	21.5
EB-HL 79	74.3	36.4	67.4	34.6	68.7	24.7	64.9	20.4
EB-HL 70	63.4	28.3	62.1	25.0	60.0	19.9	60.0	16.0
EB-HL 63	58.8	25.5	58.0	22.8	55.6	18.6	54.5	14.2
EB-HL 49	40.6	16.4	35.6	13.8	35.1	9.3	33.3	6.1

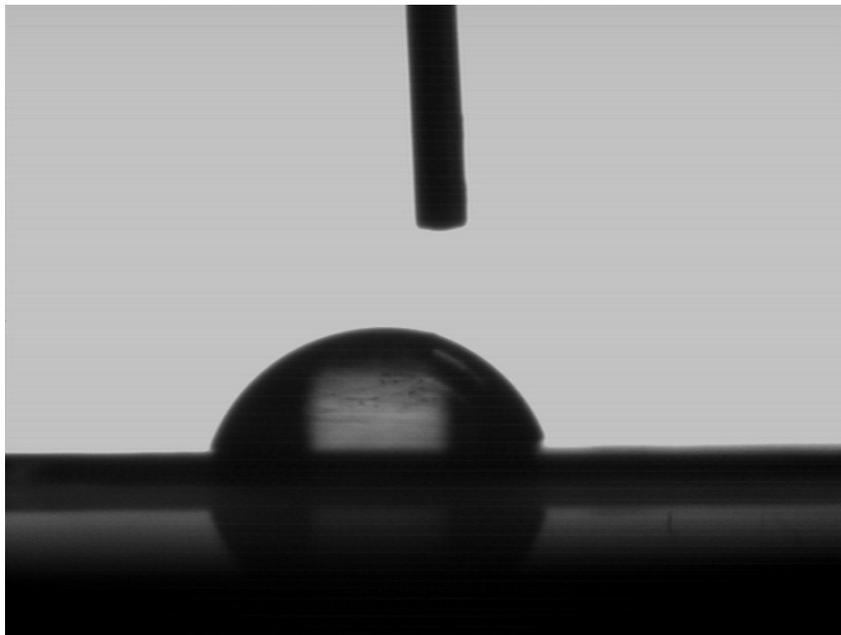


Figure S1. Example of Water Droplet on a film of the EB-co- δ -HL with 83% molar content of ethylene brassylate.

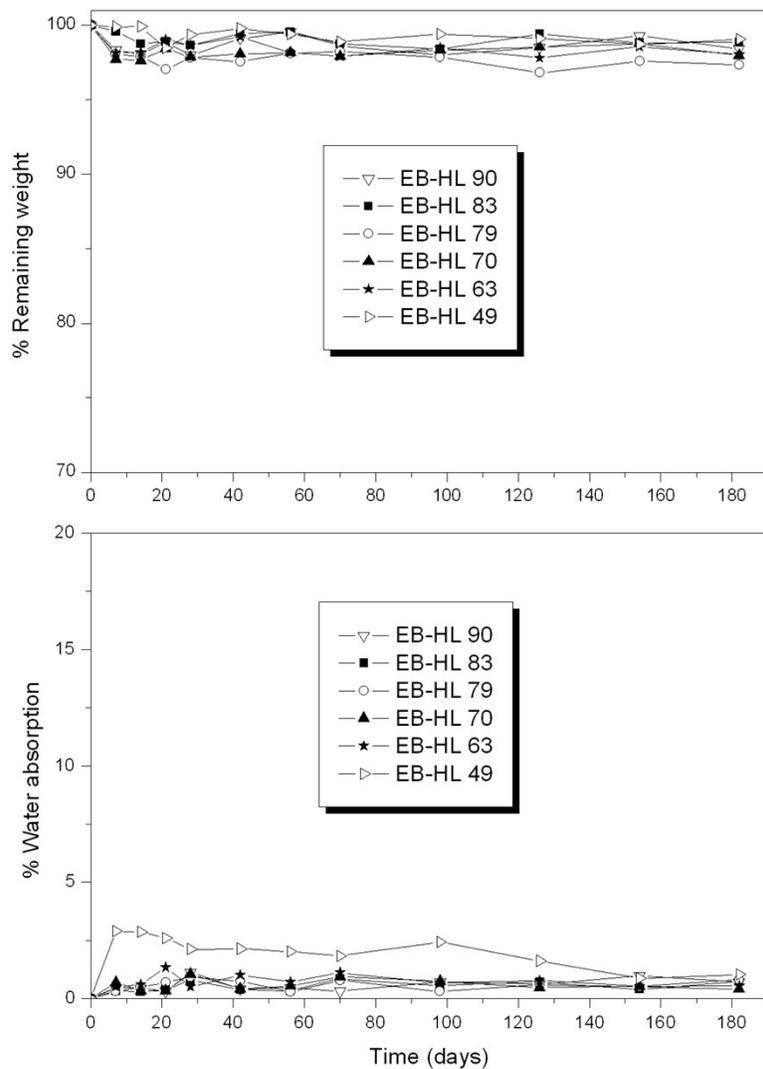


Figure S2. Evolution of the remaining weight and the water absorption of the poly(ethylene brassylate-co- δ -hexalactone)

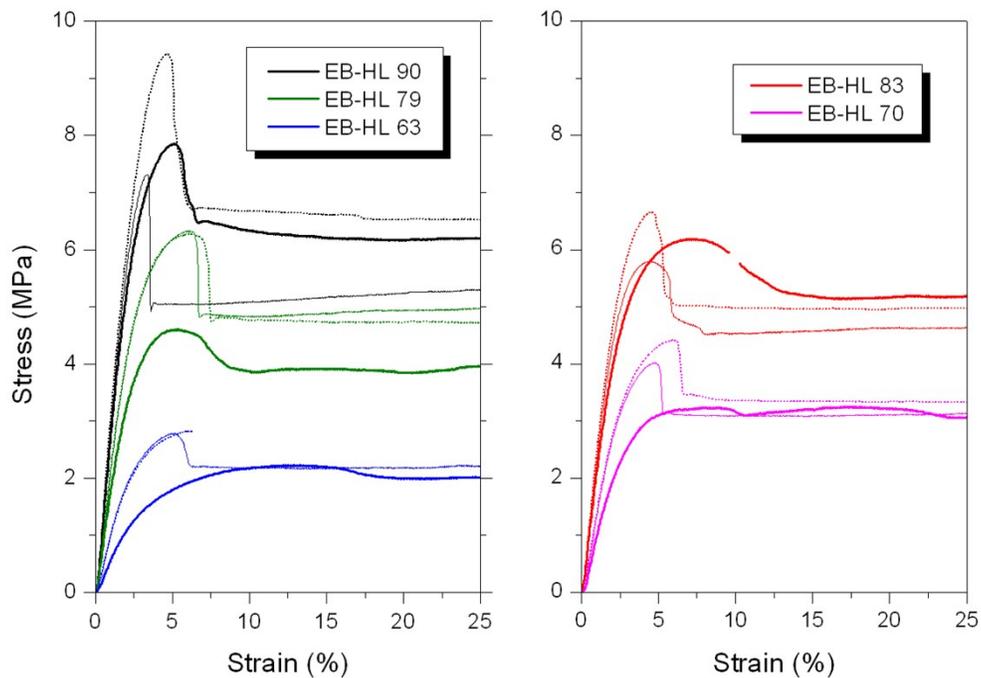


Figure S3. Tensile stress-strain curves until 25% of strain of the EB-co- δ -HL copolymers tested at 37°C. The curves of the non-degraded samples are in bold and those on day 182 of degradation are dotted. The curves on day 70 of degradation are also shown.