

Supporting Information

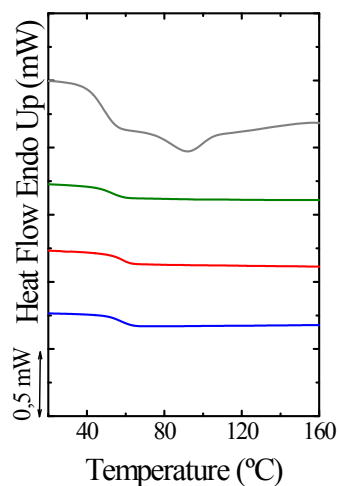


Figure S1. DSC cooling scans at 10 °C/min

Table S1. Data obtained from the Lauritzen and Hoffman fits for PLOM data

	G_0 (cm/s)	K_g^G (K ²)	σ (erg/cm ²)	σ_e (erg/cm ²)	q (erg)	R^2
PLA	$3.47 \cdot 10^3$	$4.61 \cdot 10^5$	6.06	266.61	$1.22 \cdot 10^{-12}$	0.9940
PLA/CI30B	$3.57 \cdot 10^3$	$4.64 \cdot 10^5$	6.06	268.80	$1.23 \cdot 10^{-12}$	0.9964
PLA/CI30B-g-PLLA	$5.13 \cdot 10^2$	$3.76 \cdot 10^5$	6.06	217.42	$9.98 \cdot 10^{-12}$	0.9987
PLA/PLL	$3.22 \cdot 10^2$	$3.16 \cdot 10^5$	6.06	182.85	$8.39 \cdot 10^{-12}$	0.9908

Table S2. Data obtained from the Lauritzen and Hoffman fits for DSC data

	$1/\tau_0$ (1/s)	K_g^τ (K ²)	σ (erg/cm ²)	σ_e (erg/cm ²)	Q (erg)	R^2
PLA	$1.37 \cdot 10^8$	$5.83 \cdot 10^5$	6.06	337.37	$1.55 \cdot 10^{-12}$	0.9994
PLA/CI30B	$2.25 \cdot 10^7$	$5.09 \cdot 10^5$	6.06	294.49	$1.35 \cdot 10^{-12}$	0.9982
PLA/CI30B-g-PLLA	$6.36 \cdot 10^6$	$4.31 \cdot 10^5$	6.06	249.52	$1.15 \cdot 10^{-12}$	0.9922
PLA/PLL	$3.11 \cdot 10^6$	$3.76 \cdot 10^5$	6.06	217.72	$9.99 \cdot 10^{-12}$	0.9600

Table S3. Avrami theory parameters

Sample	Tc (°C)	n	K (min ⁻ⁿ)	$\tau_{1/2 \text{ fit}}$ (min)	$\tau_{1/2 \text{ Exp}}$ (min)	R ²
PLA	100	2.51	1.97 E-04	25.9	24.6	0.9999
	102	2.63	1.81 E-04	22.9	21.9	0.9999
	104	2.65	2.39 E-04	20.2	19.4	0.9996
	106	2.33	7.00 E-04	19.2	18.1	0.9999
	108	2.5	6.00 E-04	16.7	15.8	0.9995
	110	2.68	4.21 E-04	15.8	15.3	0.9999
	112	2.7	3.98 E-04	15.8	15.0	0.9993
	114	2.84	3.06 E-04	15.1	14.7	0.9998
	116	2.97	2.12 E-04	15.1	14.8	0.9998
	118	3.12	1.26 E-04	15.8	15.5	0.9997
	120	3.03	1.40 E-04	16.6	16.3	0.9998
	122	3.23	6.01 E-05	18.0	17.6	0.9997
	124	3.24	4.47 E-05	19.7	19.3	0.9997
	126	3.3	2.94 E-05	21.1	21.2	1.0000
	128	3.59	9.73 E-06	22.4	22.5	1.0000
130	3.28	1.10 E-05	29.0	28.3	1.0000	
PLA/CI30B	100	2.68	1.84 E-04	21.5	20.433	0.9998
	102	3.08	9.13 E-05	18.2	18.3	1
	104	2.88	2.55 E-04	15.6	15.316	0.9999
	106	3.08	1.94 E-04	14.2	14.3	0.9998
	108	3.24	1.51 E-04	13.5	13.483	1
	110	3.12	3.06 E-04	11.9	11.9	1
	112	3.03	5.11 E-04	10.8	10.767	1
	114	3.1	4.64 E-04	10.5	10.366	0.9999
	116	3.33	3.17 E-04	10.1	10.166	1
	118	3.3	3.15 E-04	10.3	10.267	1
	120	3.32	3.39 E-04	10.0	10.083	1
	122	3.4	2.34 E-04	10.5	10.633	1
	124	3.43	1.8 E-04	11.1	11.25	1
	126	3.29	1.86 E-04	12.1	12.166	0.9999
	128	3.29	1.4 E-04	13.3	13.3	0.9999
130	3.35	7.04 E-05	15.5	15.433	0.9997	
132	3.61	2.25 E-05	17.5	17.95	1	
134	3.69	8.72 E-06	21.3	22.267	0.9997	
PLA/CI30B-g-PLLA	100	2.73	9.05 E-03	4.9	5.033	1
	102	2.66	1.47 E-02	4.3	4.366	1
	104	2.6	2.4 E-02	3.6	3.683	0.9998
	106	2.71	3.03 E-02	3.2	3.217	0.9999
	108	2.7	4.46 E-02	2.8	2.767	0.9998
	110	2.73	5.20 E-02	2.6	2.566	0.9998
	112	2.79	5.73 E-02	2.4	2.433	0.9999
	114	2.7	6.82 E-02	2.4	2.333	0.9998
	116	2.65	7.22 E-02	2.3	2.3	0.9997
	118	2.65	7.07 E-02	2.4	2.316	0.9997
	120	2.64	6.49 E-02	2.5	2.4	0.9997
	122	2.61	5.97 E-02	2.6	2.483	0.9997
	124	2.55	5.54 E-02	2.7	2.6	0.9996
	126	2.51	4.65 E-02	2.9	2.833	0.9996
	128	2.49	3.73 E-02	3.2	3.116	0.9995
PLA/PLLA	84	2.31	7.61 E-03	7.1	6.76	0.9995
	86	2.78	4.0E-03	6.4	6.28	0.9999
	88	2.63	8.4E-03	5.4	5.26	0.998
	90	2.89	9.67E-03	4.4	4.5	1
	92	2.64	2.65E-02	3.4	3.61	1
	94	2.56	4.48E-02	2.9	3.1	1
	96	2.46	8.21E-02	2.4	2.55	0.9999
	98	2.23	1.73E-01	1.9	1.96	1
	100	2.17	2.30E-01	1.7	1.8	1

