

Table S1 Thermal decomposition characteristics of BB, WT, and their blend.

Sample	β (°C/min)	T_{final} (°C)	Weight loss (%)	T_{p1} (°C)	MWLR 1 (%/min)	T_{p2} (°C)	MWLR 2 (%/min)
BB	20	500	75.29	97.3	1.49	384.0	17.00
BB	20	600	77.5	94.7	1.51	384.3	16.77
BB	20	700	79.5	97.7	1.27	384.0	17.00
BB	20	800	79.51	101.3	1.27	384.3	17.08
BB	20	900	81.68	96.7	1.20	384.0	17.09
WT	20	500	58.67	-	-	417.7	12.67
WT	20	600	61.60	-	-	418.3	12.73
WT	20	700	62.33	-	-	417.7	12.69
WT	20	800	62.06	-	-	417.7	12.69
WT	20	900	63.98	-	-	417.7	12.65
BB: WT=1:1	20	500	67.78	92.7	0.56	392.7	12.08
BB: WT=1:1	20	600	70.31	91.7	0.40	389.3	12.33
BB: WT=1:1	20	700	70.73	99.0	0.55	390.0	12.26
BB: WT=1:1	20	800	71.97	94.7	0.50	391.7	12.54
BB: WT=1:1	20	900	72.9	93.7	0.55	390.3	12.22
BB	10	700	79.36	98.1	0.64	362.5	8.66
BB	20	700	79.26	103.2	0.99	382.5	17.15
BB	30	700	78.95	116.4	1.59	398.8	25.52
BB	40	700	79.18	123.4	2.57	409.7	32.86
WT	10	700	61.59	-	-	392.7	6.02
WT	20	700	61.33	-	-	422.0	12.30
WT	30	700	61.58	-	-	435.2	18.81
WT	40	700	60.31	-	-	445.8	24.94
BB: WT=1:1	10	700	70.45	101.9	0.16	366.8	5.81
BB: WT=1:1	20	700	70.69	108.8	0.36	388.4	11.88
BB: WT=1:1	30	700	71.10	115.2	0.92	403.8	17.05
BB: WT=1:1	40	700	70.70	124.6	0.94	415.7	23.49
BB: WT=1:9	20	700	63.30			411.6	11.61
BB: WT=3:7	20	700	66.66			396.3	10.63
BB: WT=7:3	20	700	73.83	100.6	0.55	384.6	14.36
BB: WT=9:1	20	700	76.87	101.7	0.69	385.0	16.44