

Table S1: Tensile properties for the developed blends.

System	σ_{yield} (MPa)	ϵ_{yield} (%)	σ_{break} (Mpa)	ϵ_{break} (%)	E (Mpa)
PC100-PI0	24.8 ± 1.6	8.4 ± 0.6	19.7 ± 1.5	144 ± 91	1070 ± 18
PC92-PI8	26.8 ± 1.5	8.4 ± 0.3	25.3 ± 3.3	11 ± 5	1242 ± 52
PC85-PI15	27.7 ± 0.4	8.8 ± 0.5	23.6 ± 2	18 ± 5	965 ± 78
PC78-PI22	29.4 ± 1.6	8.2 ± 0.2	25.7 ± 1.7	14 ± 3	1223 ± 36
PC70-PI30	26.1 ± 0.9	8.5 ± 0.9	22.1 ± 3.4	22 ± 12	1092 ± 31
PC50-PI50	26.5 ± 0.7	7.6 ± 0.4	24.7 ± 2.2	12 ± 4	1056 ± 27
PC0-PI100	31.2 ± 1.2	8.7 ± 0.7	30.7 ± 2	9 ± 1	1048 ± 28

Table S2: Impact strenght of the developed blends.

System	Impact Energy (KJ/mm²)
PC100-PI0	3.6 ± 0.2
PC92-PI8	3.3 ± 0.3
PC85-PI15	3.4 ± 0.3
PC78-PI22	4.1 ± 0.5
PC70-PI30	3.4 ± 0.4
PC50-PI50	3.5 ± 0.4
PC0-PI100	4.1 ± 0.5