Electron beam irradiation cross-linked PP/LDPE blends with triple-shape memory capabilities

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Supporting Information

Table S1 Characteristics of polyolefin raw materials

Sample name	LDPE	PP
Product code	2426H	K7726
Density (g/mL)	0.923	0.900
Melt flow index (MFI)	1.9 g/10 min	24g/10 min

Table S2 The effect of irradiation doses on PP/LDPE (50/50) blends

Irradiation doses (kGy)	0	15	25	50	75	100
Gel fraction (%)	-	21.5±1.0	37.9±0.9	59.5±0.6	81.9±1.4	94.3±2.3

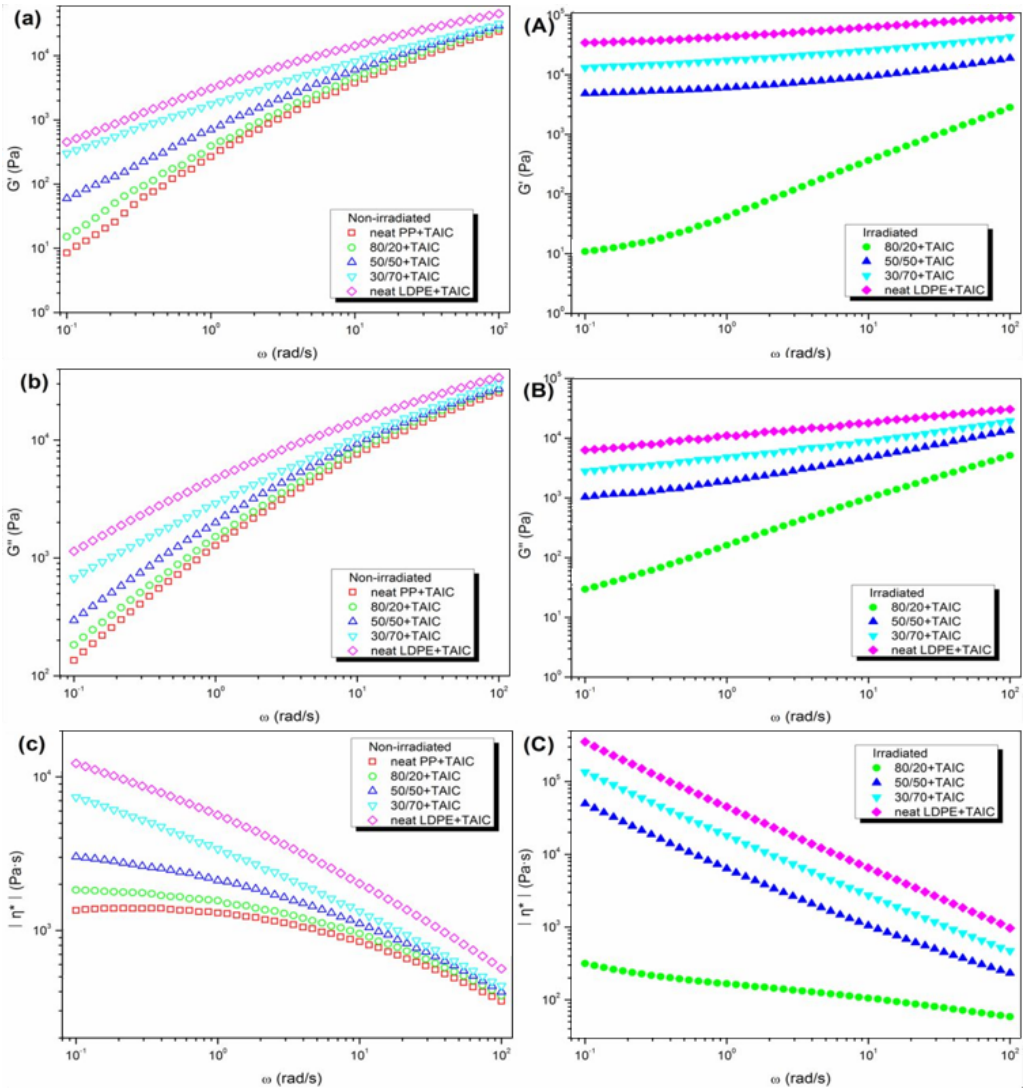

Fig. S1 Rheological properties of (a,b,c) non-irradiated and (A,B,C) irradiated PP/LDPE blends.

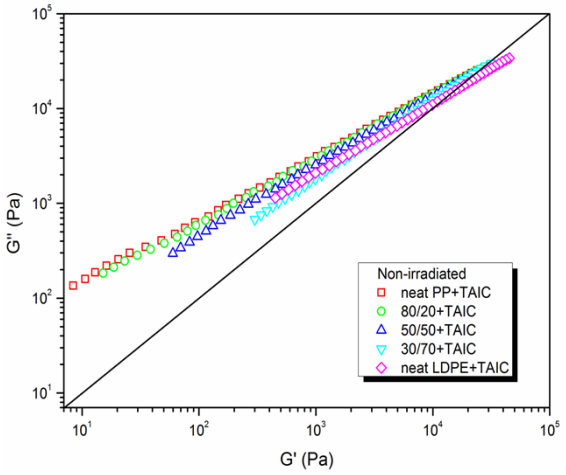

Fig. S2 Han plots of non-irradiated PP/LDPE blends