**Supplementary material**

**Surface functionalization of polypropylene and polyethylene films with allylamine by gamma radiation.**

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**FIG. S1** TGA of different systems with 8% grafting, PE (Fig. S1a) and PP (Fig. S1b); DSC of PE and PE 8.24% graft (Fig. S1c) and DSC of PP and PP-g-AA 8.8% graft (Fig. S1d)

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