

Supporting Information

Evidence for *in-situ* Graft Copolymer Formation and Compatibilization of PC and PMMA during Reactive Extrusion Processing in the Presence of a Novel Organometallic Transesterification Catalyst Tin (II) 2-ethylhexanoate

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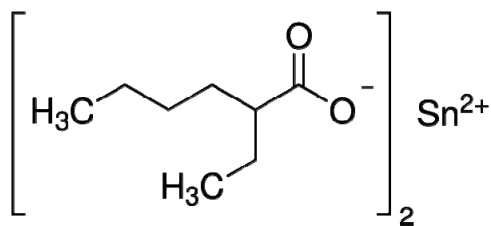
Keywords: Compatibilized blends, Organometallic Transesterification Catalysts, Graft copolymer, Polycarbonate, Poly(methyl methacrylate)

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Supplementary Information 1:

Structure of Tin (II) 2-ethylhexanoate

The structure of tin (II) 2-ethylhexanoate or $\text{Sn}(\text{Oct})_2$ or $[\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{CO}_2]_2\text{Sn}$ is as follows:



Melt flow index and density of PC and PMMA

PC

Melt flow rate=38gm/10min, at 300°C/1.2 kg load.

Density=1.2 gm/cm³

PMMA

Melt Flow Index=5gm/10min, at 230°C/3.8 kg load

Density=1.18 gm/cm³

Supplementary Information 2:

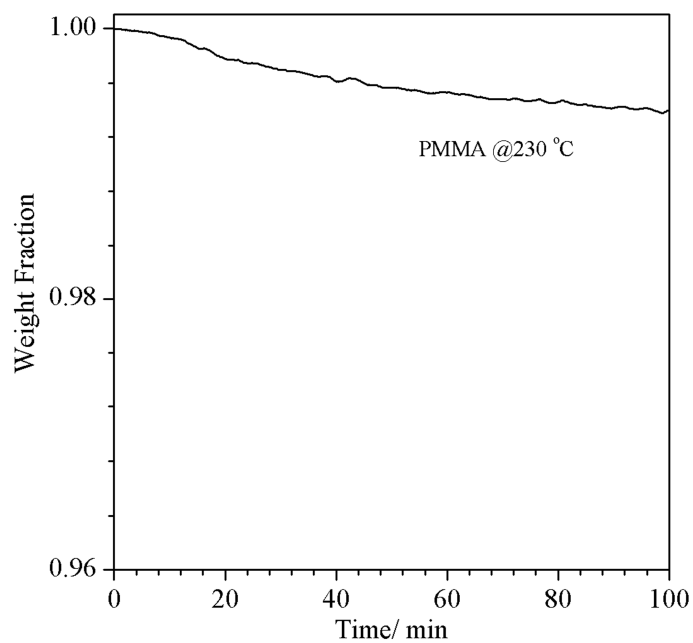


Figure S1. TGA thermogram of PMMA obtained by isothermal heating at 230°C.