Supporting information for:

Effects of Composition and Sequence of Ethylene-Vinyl Acetate Copolymers on Their Alcoholysis and Oxygen Barrier Property of Alcoholyzed Copolymers

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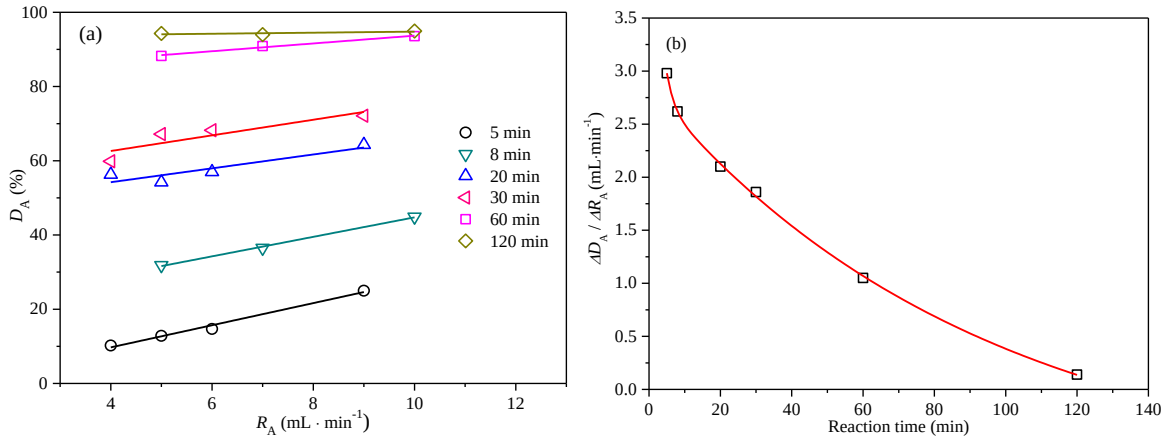

Figure S1. (a) Effect of removal rate (R_A) of distilled methanol/methyl acetate mixture on D_A of alcoholyzed EVA copolymer (EVA-385); (b) Effect of reaction time on D_A/R_A. EVA-371: E =

37.1 mol%, M_n = 18 kg·mol^{-1}, PDI = 2.7, concentration of EVA in methanol: 25 wt%, n_{NaOCH3} = 0.05, reaction temperature: 65 ^{o}C.

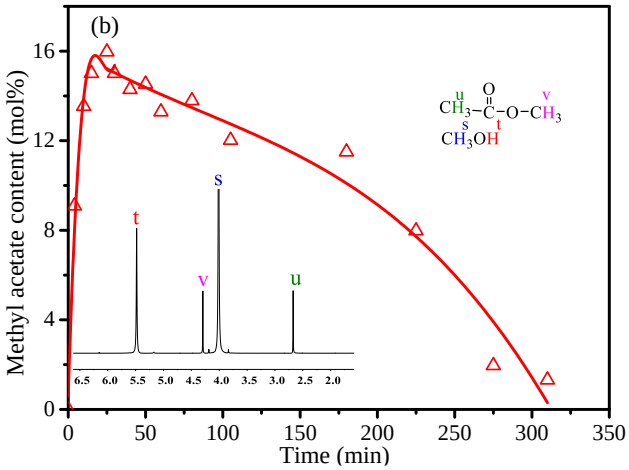

Figure S2. Dependence of methyl acetate content in the distilled mixtures on reaction time during alcoholysis of EVA-371. Representative ^{1}H NMR spectrum of distilled mixture (methanol and methyl acetate) from the alcoholysis reaction was inserted into the figure. Reaction conditions were the same as those in Figure S1.