Supporting Information

Preparation of blend films:

Stock solution of MEHPPV (2.8mg in 10 ml THF) and the oligomer (50 mg of OPV in 10 ml THF) were prepared and the films were drop-casted from the solution in various ratios to get the amount of OPV and PPV as shown below.

% of OPV	Volume of OPV (ml)	Volume of PPV (ml)	Amount of OPV(mg)	Amout of PPV(mg)
15	0.05	0.95	0.05	0.266
30	0.1	0.9	0.1	0.252
40	0.15	0.85	0.15	0.238
55	0.25	0.75	0.25	0.21
65	0.1	0.9	0.50	0.252
80	0.2	0.8	1	0.224
90	0.3	0.7	1.5	0.196
95	0.4	0.6	2	0.168

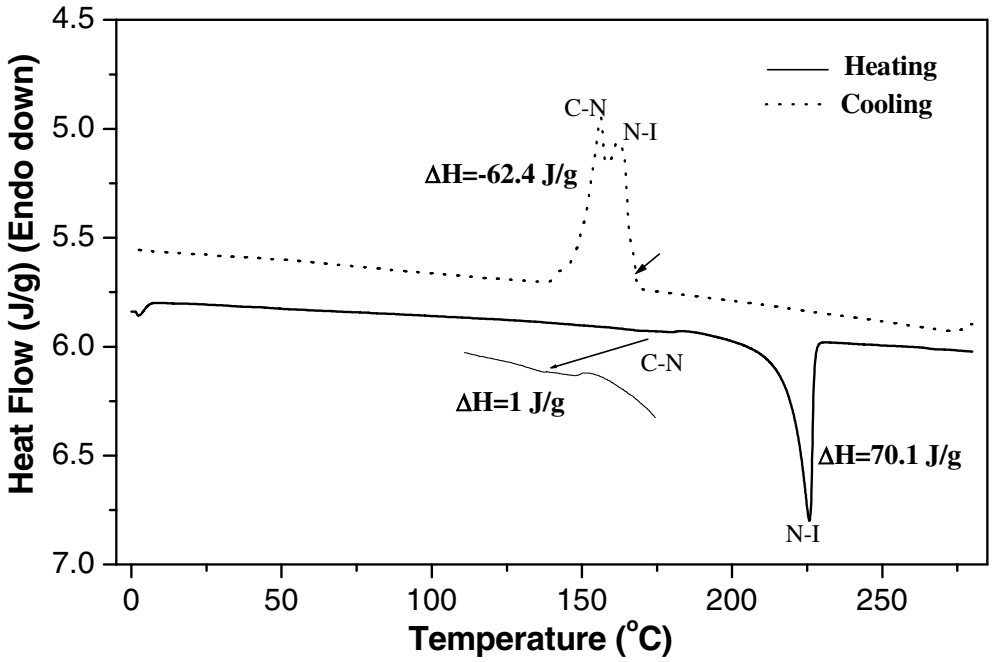

Figure 1. DSC thermogram of BTCD-OPV

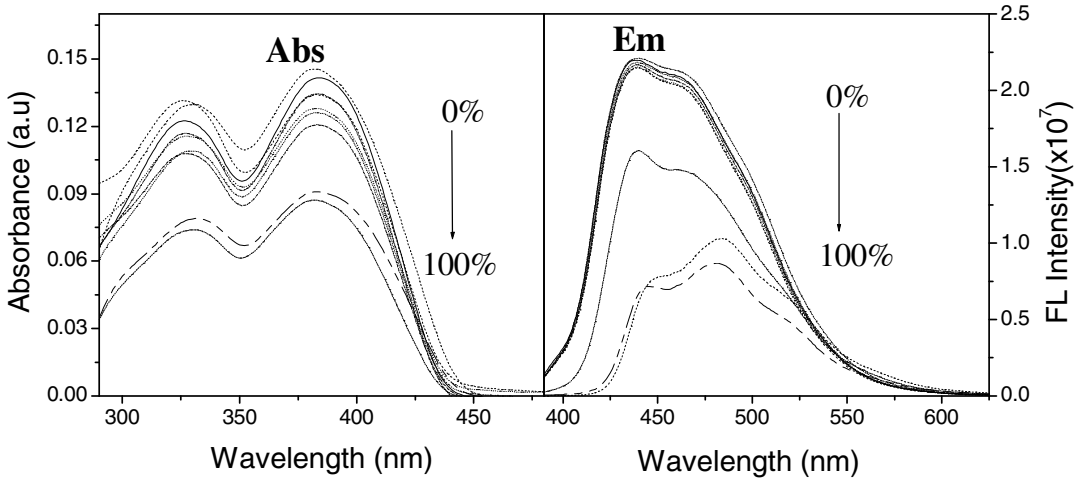

Figure 2. Absorption and emission spectra of MEHOPV in THF + Water mixture

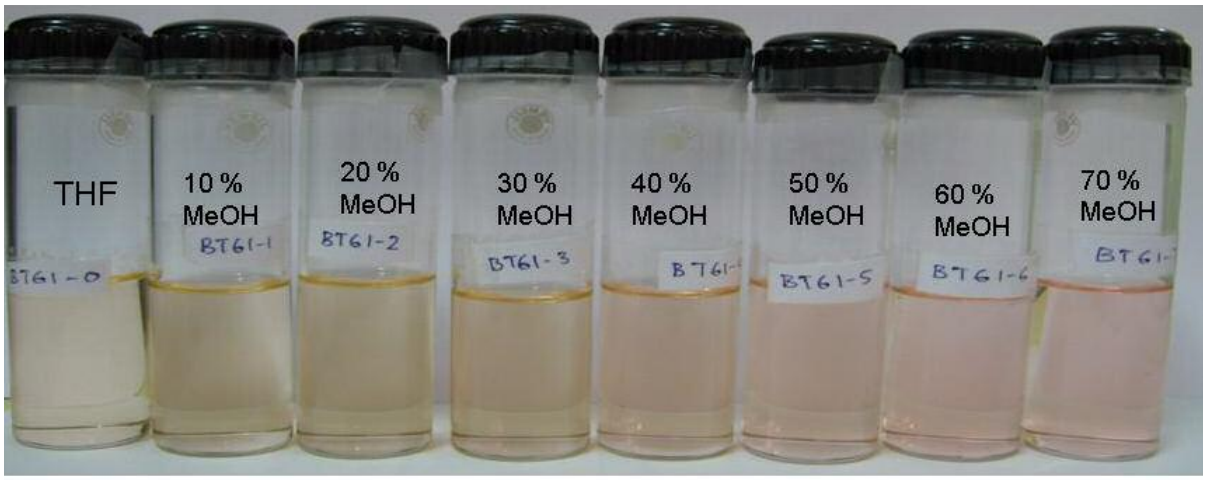

Figure 3. Color change from orange to red with the addition of methanol into the polymer solution (from left to right – increasing methanol cotent)

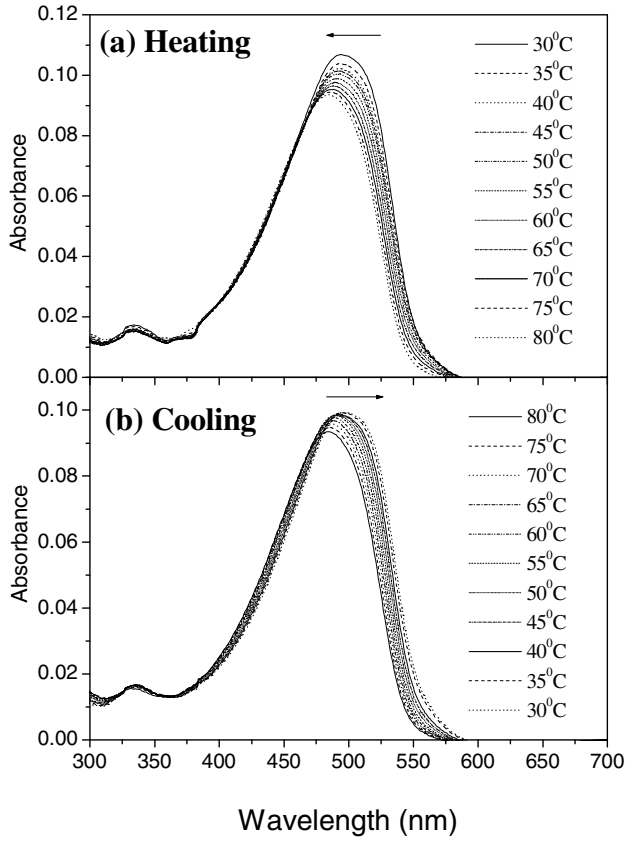

Figure 4. Absorption spectra of temperature dependent aggregation of MEHPPV in THF + Methanol mixture

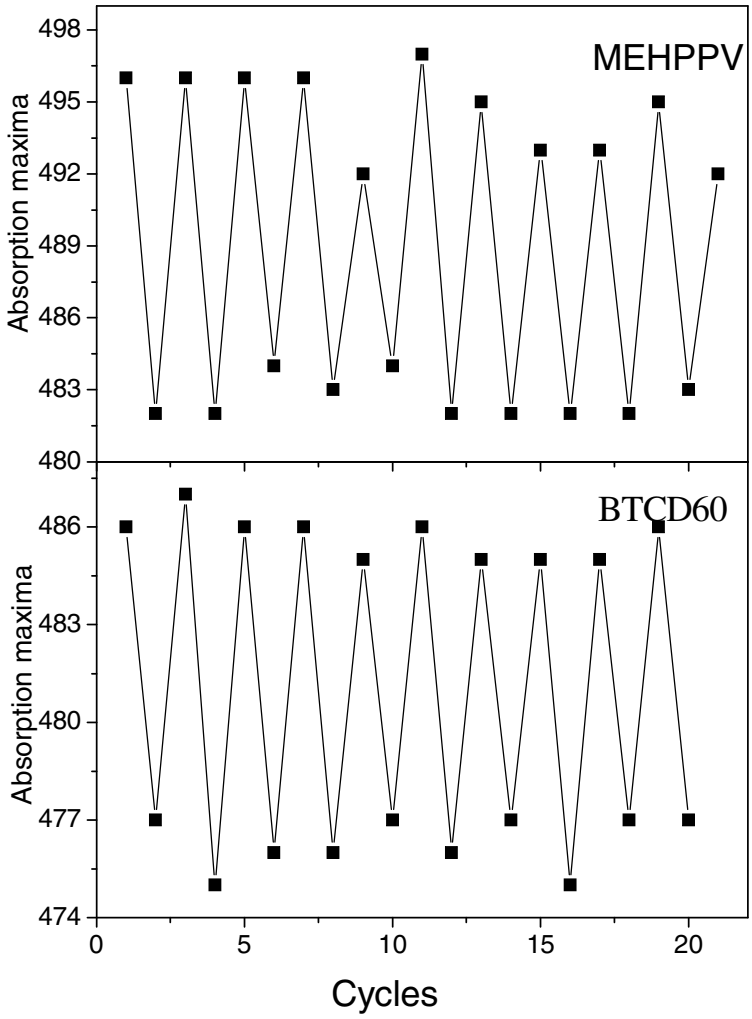

Figure 5. Reversibility of molecular aggregates of MEH-PPV and BTCD-60 during heating and cooling.

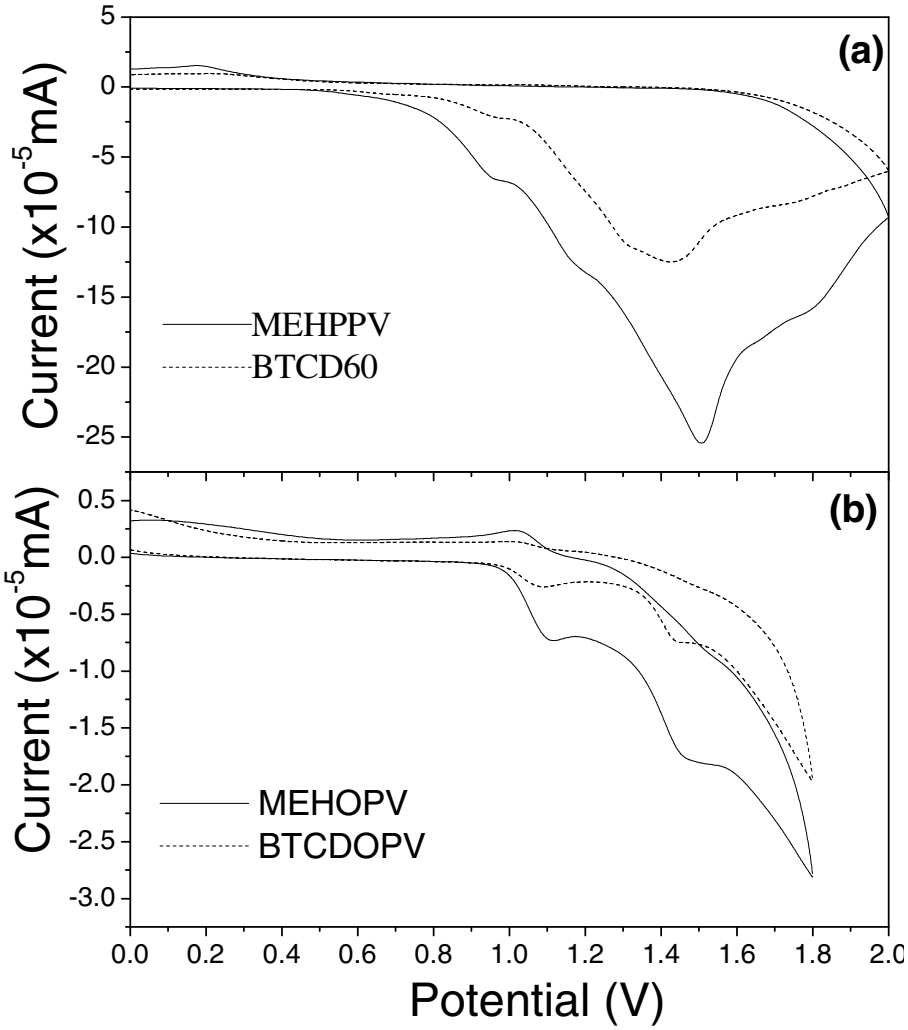

Figure 6. Electrochemical analysis of the polymers (a) and the model compounds (b).