Figure S1: Absorbance of POD2T-DTBT and POD4T-DTBT solutions in dichlorobenzene at room temperature and at elevated temperatures
Figure S2: HOMO and LUMO plots for molecules with alkyl chains in the A position

HOMO = -4.476 eV
LUMO = -3.420 eV
HOMO = -4.548 eV
LUMO = -3.390 eV

Figure S3: HOMO and LUMO plots for molecules with alkyl chains in the B position
Figure S4: $^1$H NMR spectrum of POD2T-DTBT in 1,1,2,2-tetrachloroethane-$d_2$ at 70 °C.
Figure S5: $^1$H NMR Spectrum of P2T-ODDTBT in 1,1,2,2-tetrachloroethane-$d_2$ at 70 °C.
Figure S6: $^1$H NMR spectrum of PDTT-ODDTBT in 1,1,2,2-tetrachloroethane-$d_2$ at 70 °C.
Figure S7: $^1$H NMR spectrum of POD4T-DTBT in 1,1,2,2-tetrachloroethane-$d_2$ at 120 °C.