

Nitrile - Substituted Thienyl and Phenyl Units as Building Blocks for High Performance n - Type Polymer Semiconductors

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1. Thermogravimetric Analysis & Differential Scanning Calorimetry

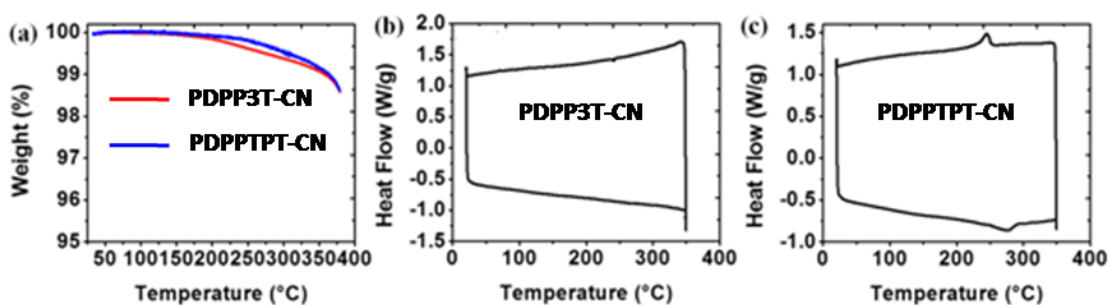
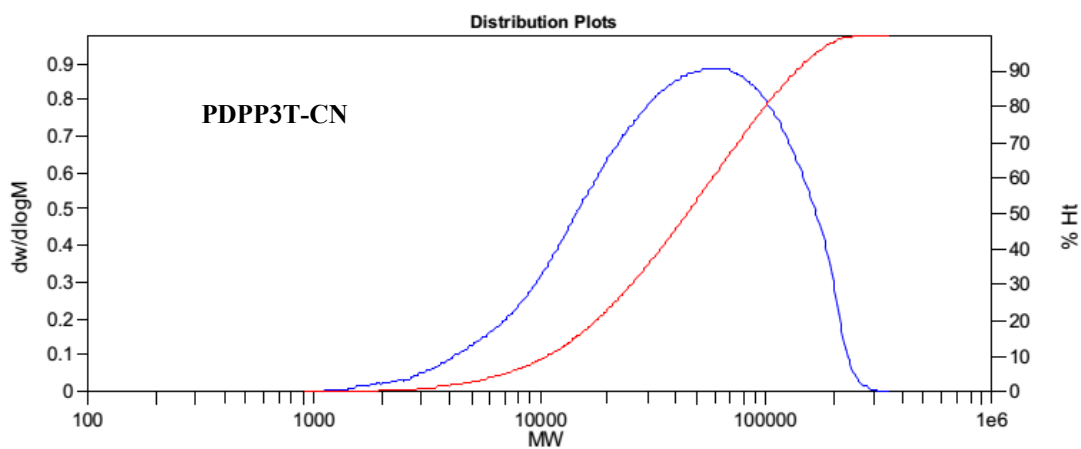


Figure S1. (a) TGA diagram of PDPP3-CN and PDPPTPT-CN; (b-c) DSC diagram of PDPP3-CN and PDPPTPT-CN

2. High Temperature Gel Permeation Chromatography (GPC) Diagram of PDPP3-CN and PDPPTPT-CN

Mp: 64645	Mn: 23270	Mv: 52732	Mw: 58444
Mz: 99641	Mz+1: 132414	PD: 2.5116	



MW Averages

Mp: 109730

Mn: 67546

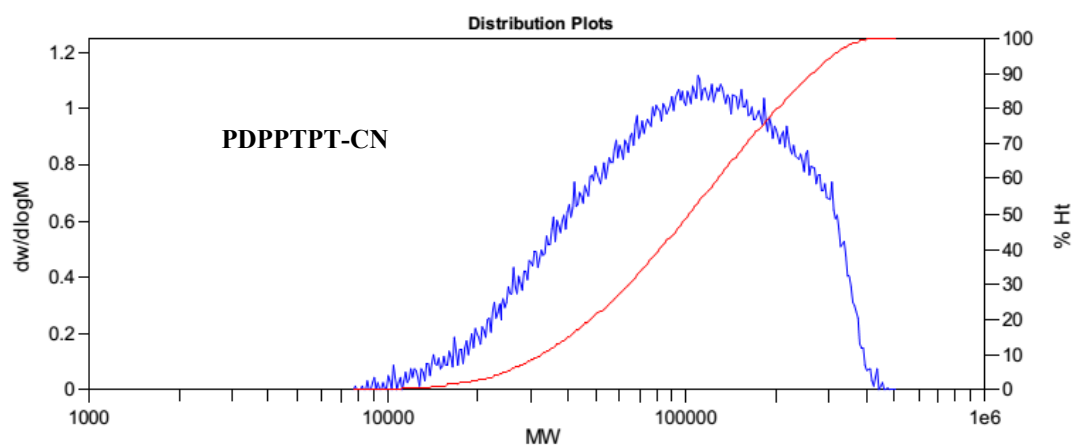
Mv: 112894

Mw: 121623

Mz: 182832

Mz+1: 232074

PD: 1.8006



3. AFM images of PDPP3T-CN and PDPPTPT-CN thin films at different thermal annealing temperatures.

