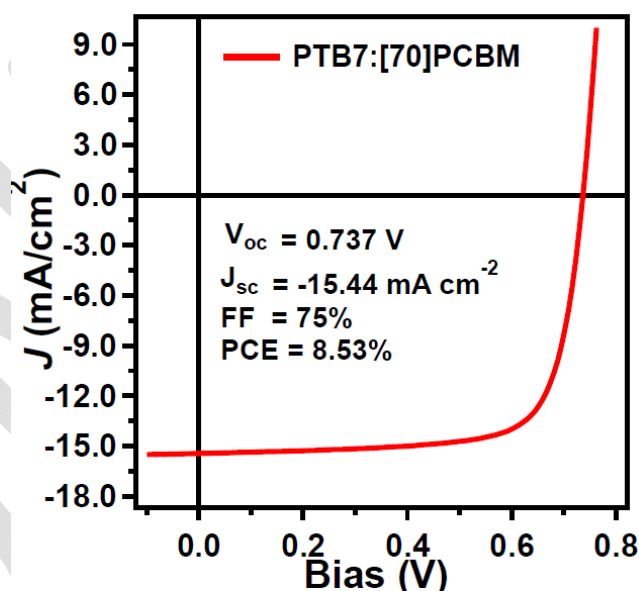


POLYMERS FOR PLASTIC SOLAR CELLS

Polymers function as the light absorbers and electron donors in plastic solar cells. To advance your research projects, we tailor-make the most advanced solar polymers, **respectfully and responsibly**. Furthermore, we can fine-tune these structures for high molar weight, sharp molecular weight distribution, desirable HOMO/LUMO energy levels, right energy-band gap, low trace metal content, good coating/printing-ability and constant quality according to your designs, **reliably and confidentially**.



INVERT CONFIGURATION

ONE material for these who understand quality

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Suggested recipe for the PTB7/PC₇₁BM-- PVCs.

- 1) Mixed solvent to be used for PTB7/PC₇₁BM: CB (97%)+Diiodooctane(3%) by volume;
- 2) Solution: dissolve PTB7 with a concentration of **12mg/ml** and dissolve PCBM with a concentration of **40 mg/ml**, with magnetic stirrer for 48 hrs at 60°C.
- 3) Blend ratio: PTB7/PC₇₁BM = 2:3 by weight.
- 4) Spin coating while warm, and control the thickness: **90-110 nm**
- 5) Drying: The obtained active film is dried at RT **without annealing**.