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%) + Diodooctane (3%) by volume;
2) Solution: dissolve PTB7 with a concentration of 12 mg/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.