



CONJUGATED POLYMER FOR ORGANIC SOLAR CELLS AND SENSORS

ADS510PT

INTRODUCTION

Thiophene polymers have attracted a lot of research attention in the past 10 years due to their potential applications in electronics and sensing devices. American Dye Source, Inc. is now offering from gram to kilogram quantity low metal content **regioregular** and **regiorandom** thiophene polymers and copolymers in solid forms or in solutions.

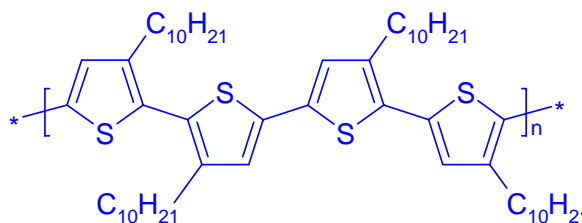
DESCRIPTION

ADS510PT is a regiorandom poly(3-decylthiophene-2,5-diyl). This polymer is highly soluble in toluene, chlorobenzene, and tetrahydrofuran. **ADS510PT** can be used for fabrication of organic solar cells, sensors and other electronic devices.

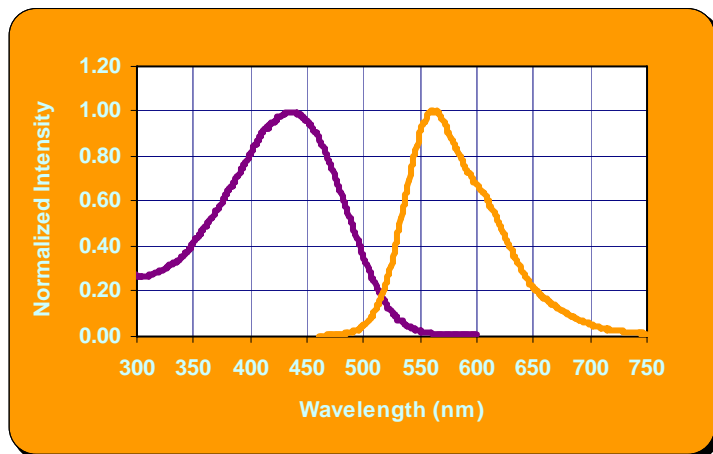
TECHNICAL DATA

- ❑ Appearance: Dark brown fiber or flake
- ❑ Molecular weights: 50,000 – 150,000
- ❑ Metal Content: < 20 ppm
- ❑ Absorption maximum: 435 nm
- ❑ Photoluminescent maximum: 564 nm
- ❑ Storage: under Nitrogen atmosphere

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS510PT in THF solution

CONTACT INFORMATION

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