PRODUCT BULLETIN

Revised March 2007

CONJUGATED POLYMER FOR ORGANIC SOLAR CELLS AND SENSORS

ADS308PT

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.*

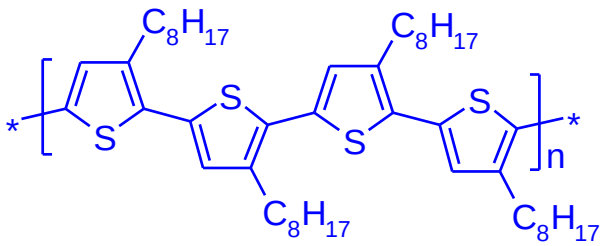
DESCRIPTION

ADS308PT *is a regioregular poly(3-octyl-thiophene-2,5-diyl). This polymer is highly soluble in toluene, chlorobenzene, and tetra-hydrofuran.* ***ADS308PT*** *can be used for fabrication of organic solar cells, sensors and other electronic devices.*

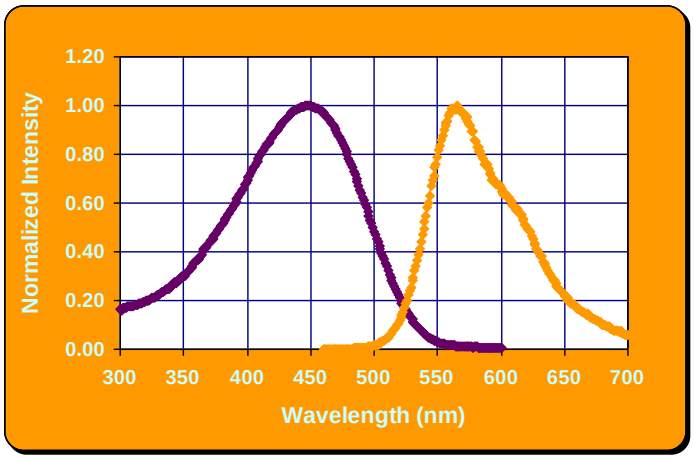
TECHNICAL DATA

- *Appearance: Golden fiber or flake*
- *Molecular weights: 20,000 – 70,000*
- *Metal Content: < 50 ppm*
- *Absorption maximum: 442 nm*
- *Photoluminescent maximum: 564 nm*
- *Storage: under Nitrogen atmosphere*

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS308PT in THF solution

CONTACT INFORMATION

American Dye Source, Inc.
555 Morgan Boulevard
Baie d'Urfe, Quebec, Canada H9X 3T6
Tel. 514 457-0070
Fax 514 457-0071
Website: www.adsdyes.com
E-mail: info@adsdyes.com

DISCLAIMER

The information in this bulletin is believed to be accurate, but all recommendations are made without warranty since the conditions of use are beyond the control of American Dye Source, Inc. The listed properties are illustrative only, and not product specifications. American Dye Source, Inc. disclaims any liability in connection with the use of the information, and does not warrant against infringement by reason of the use of its products in combination with other material or in any process.