

CONJUGATED POLYMER FOR ORGANIC SOLAR CELLS AND SENSORS ADS2008P

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.

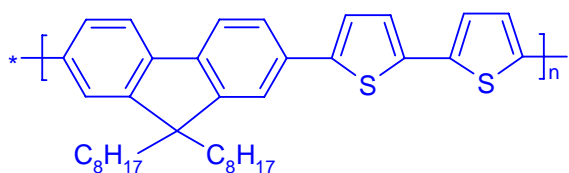
DESCRIPTION

ADS2008P is poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(bithiophene)]. This polymer is highly soluble in tetrahydrofuran. **ADS2008P** can be used for fabrication of organic solar cells, sensors and other electronic devices.

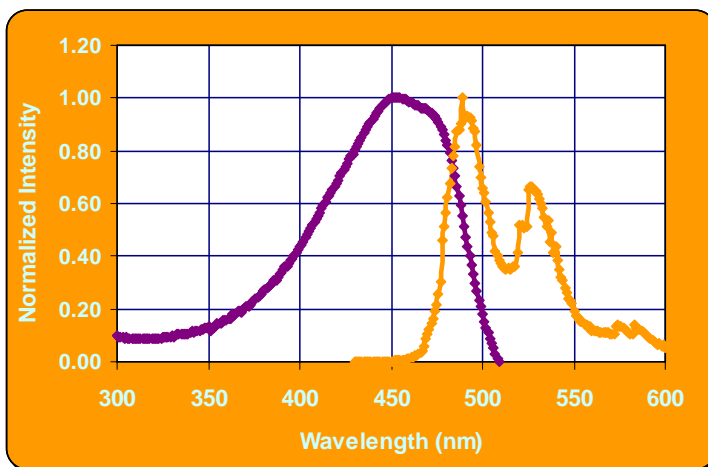
TECHNICAL DATA

- ❑ Appearance: Yellow powder or fibers
- ❑ Molecular weights: 10,000 – 60,000
- ❑ Metal content: < 20 ppm
- ❑ Absorption maximum: 455 nm
- ❑ Photoluminescent maximum: 493 nm
- ❑ Storage: under Argon atmosphere

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS2008P in THF

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.