

CONJUGATED POLYMER FOR ORGANIC SOLAR CELLS AND SENSORS ADS2006P

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.

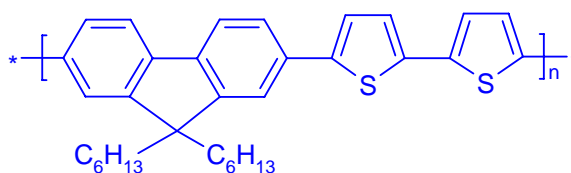
DESCRIPTION

ADS2006P is Poly[(9,9-dihexylfluorenyl-2,7-diyl)-co-(bithiophene)]. This polymer is highly soluble in tetrahydrofuran. **ADS2006P** can be used for fabrication of organic solar cells, sensors and other electronic devices.

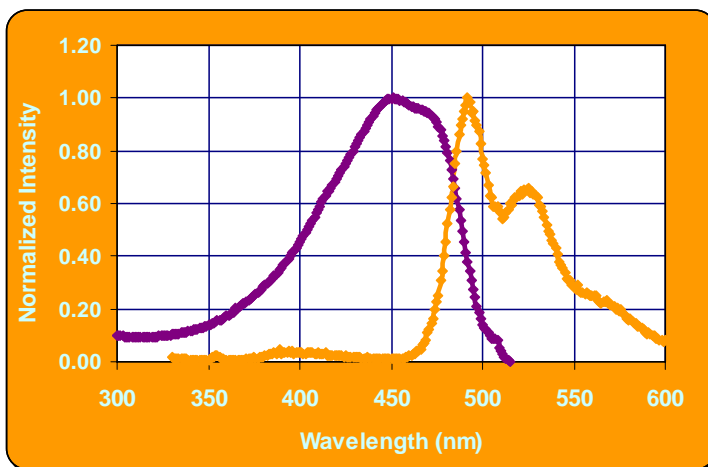
TECHNICAL DATA

- ❑ Appearance: Yellow powder or fibers
- ❑ Molecular weights: 10,000 – 30,000
- ❑ Metal content: < 20 ppm
- ❑ Absorption maximum: 451 nm
- ❑ Photoluminescent maximum: 492 nm
- ❑ Storage: under Argon atmosphere

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS2006P 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

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