



## FLUORENE COPOLYMER ADS233YE

### INTRODUCTION

American Dye Source, Inc. offers from gram to kilogram quantity conjugated polymers, which are derived from benzothiazole, carbazole fluorene, phenylene, phenylene-vinylene and thiophene. We supply these products in solid forms or in solutions.

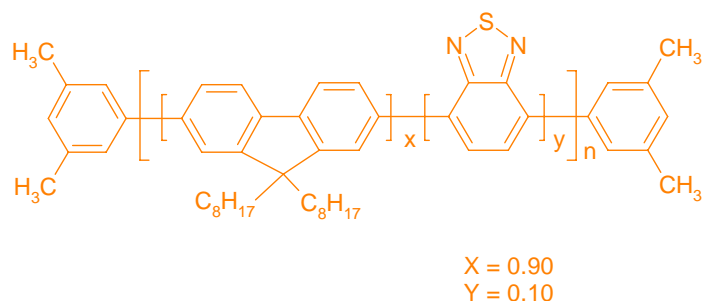
### DESCRIPTION

**ADS233YE** is Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-benzo-{2,1',3'-thiadiazole})] end-capped with DMP. This polymer is highly soluble in toluene and tetrahydrofuran. **ADS233YE** can be used for fabrication of light emitting displays, organic solar cells and biosensors.

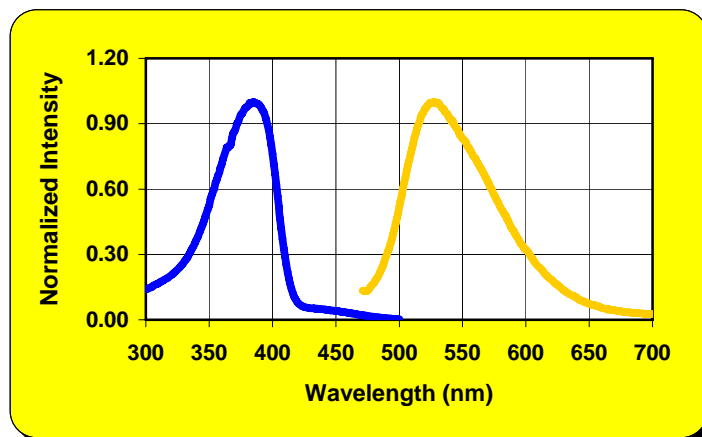
### TECHNICAL DATA

- ❑ Appearance: Yellow fiber or flake
- ❑ Molecular weights: 20,000 – 100,000
- ❑ Absorption maximum: 385 nm
- ❑ Photoluminescent maximum: 528 nm
- ❑ Storage: under Argon atmosphere

### STRUCTURE



### SPECTRA



Absorption and emission spectra of ADS233YE film on ITO glass.

### 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](http://www.adsdyes.com)  
E-mail: [info@adsdyes.com](mailto: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.