



## LIGHT EMITTING HOMOPOLYMER FOR OLED & PLED DEVICES

### ADS329BE

#### 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.

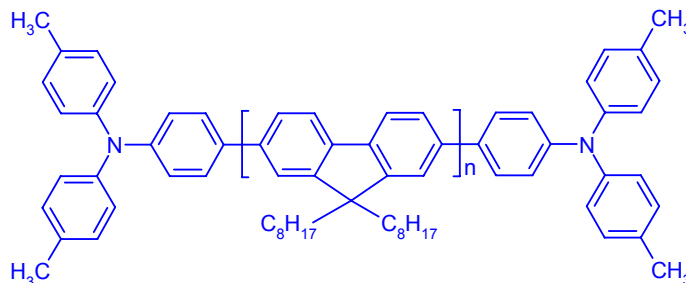
#### DESCRIPTION

**ADS329BE** is Poly(9,9-dioctylfluorenyl-2,7-diyl) end capped with N,N-Bis(4-methylphenyl)-4-aniline. It is also called **PFO**. ADS329BE is highly soluble in toluene, tetrahydrofuran, and chlorobenzene. ADS329BE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.

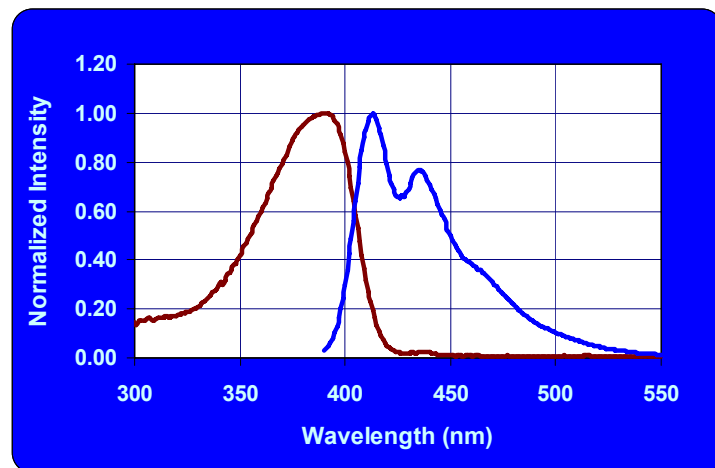
#### TECHNICAL DATA

- ❑ Appearance: Yellow fiber or flake
- ❑ Molecular Weight: 70,000 – 150,000
- ❑ Absorption maximum: 390 nm
- ❑ Photoluminescent maximum: 413 nm
- ❑ Storage: under Nitrogen atmosphere

#### STRUCTURE



#### SPECTRA



Absorption and emission spectra of ADS329BE film 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](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.