



## LIGHT EMITTING HOMOPOLYMER FOR OLED & PLED DEVICES

### ADS429BE

#### 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

**ADS429BE** is Poly(9,9-dioctylfluorenyl-2,7-diyl) end capped with 2,5-diphenyl-1,2,4-oxadiazole. It is also called **PFO**. ADS429BE is highly soluble in toluene, tetrahydrofuran, and chlorobenzene. ADS429BE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.

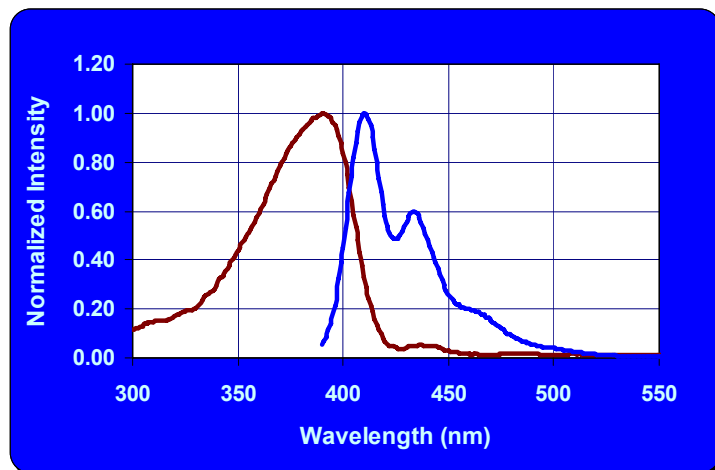
#### TECHNICAL DATA

- ❑ Appearance: Yellow fiber or flake
- ❑ Molecular Weight: 40,000 – 120,000
- ❑ Absorption maximum: 390 nm
- ❑ Photoluminescent maximum: 410 nm
- ❑ Storage: under Nitrogen atmosphere

#### STRUCTURE



#### SPECTRA



Absorption and emission spectra of ADS429BE film in THF solution.

#### CONTACT INFORMATION

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