American Dye Source, Inc.

PRODUCT BULLETIN

Revised March 2005

LIGHT EMITTING HOMOPOLYMER FOR OLED & PLED DEVICES

ADS229BE

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.

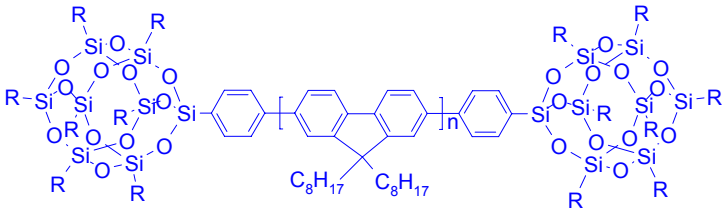
DESCRIPTION

ADS229BE *is Poly(9,9-dioctylfluorenyl-2,7-diyl) end capped with POSS. It is also called* ***PFO.*** *ADS229BE is highly soluble in toluene, tetrahydrofuran, and chlorobenzene. ADS229BE can be used for fabrication of light emitting displays, organic solar cells and biosensors.*

TECHNICAL DATA

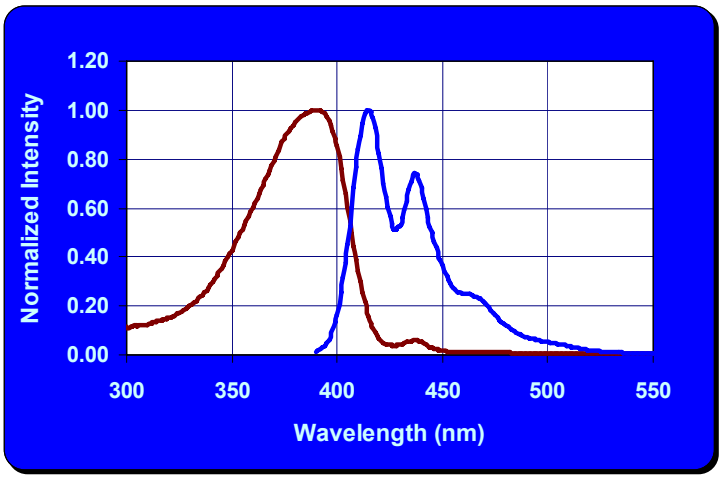
- *Appearance: Light yellow fiber or flake*
- *Molecular Weight: 40,000 – 120,000*
- *Absorption maximum: 390 nm*
- *Photoluminescent maximum: 415 nm*
- *Storage: under Nitrogen atmosphere*

STRUCTURE



R = i-butyl

SPECTRA



Absorption and emission spectra of ADS229BE film in THF solution.

CONTACT INFORMATION

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