PRODUCT BULLETIN

Revised September 2005

HOLE TRANSPORT POLYMER

ADS251BE

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.

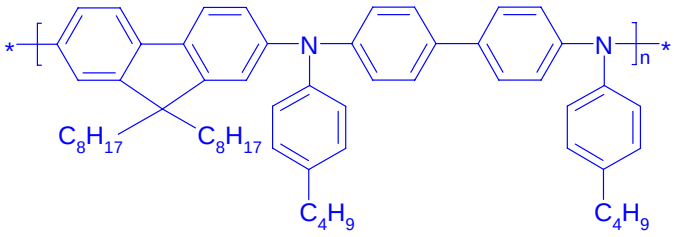
DESCRIPTION

ADS251BE is *Poly[9,9-dioctylfluorenyl-2,7-dyil)-co-(N,N'bis(4-butylphenyl-1,1'-bipheny-lene-4,4-diamine)]. ADS251BE is highly soluble in toluene and tetrahydrofuran. ADS251BE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.*

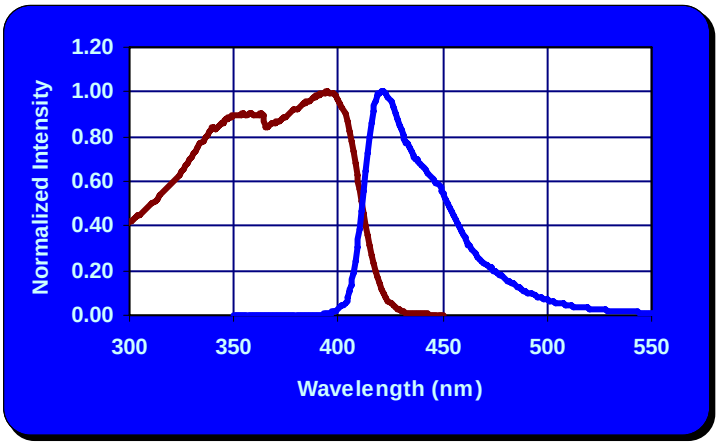
TECHNICAL DATA

- *Appearance: Light Yellow Powder*
- *Molecular Weight: 20,000 – 70,000*
- *Decomposition Temperature: > 275 ^{o}C*
- *Absorption maximum: 395 nm*
- *Photoluminescent maximum: 421 nm*
- *Storage: under Argon atmosphere*

STRUCTURE



SPECTRA



Absorption and photoluminescent spectra of ADS251BE in THF solution

CONTACT INFORMATION

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