American Dye Source, Inc.

PRODUCT BULLETIN

Revised July 2005

LIGHT EMITTING HOMOPOLYMER FOR OLED & PLED DEVICES

ADS100RE

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.

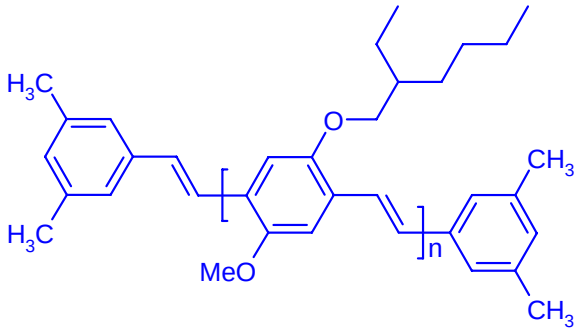
DESCRIPTION

***ADS100RE** is poly[2-methoxy-5-(2-ethylhexyl-oxy)-1,4-phenylene-vinylene]. It is also called **MEH-PPV.** ADS100RE is highly soluble in toluene, chlorobenzene, tetrahydrofuran, and chloroform. ADS100RE can be used for fabrication of light emitting displays, organic solar cells and biosensors.*

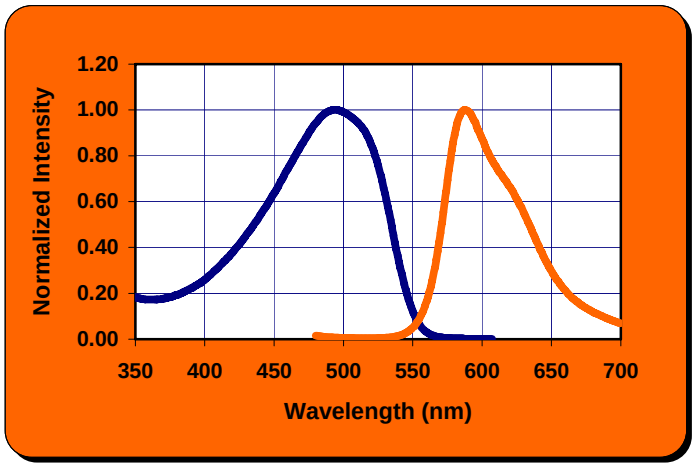
TECHNICAL DATA

- *Appearance: Orange fiber or flake*
- *Molecular weights:*
  - *Low: 50,000 - 500,000*
  - *High: > 500,000*
- *Absorption maximum: 490 nm*
- *Photoluminescent maximum: 585 nm*
- *Storage: under Argon atmosphere*

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS100RE film on ITO glass.

CONTACT INFORMATION

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