PRODUCT BULLETIN

Revised July 2006

LIGHT EMITTING HOMOPOLYMER FOR OLED & PLED DEVICES

ADS204RE

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.

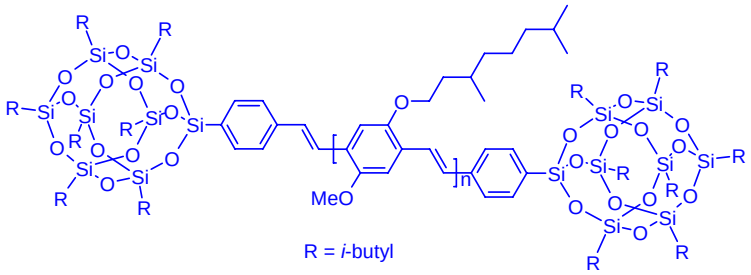
DESCRIPTION

***ADS204RE** is Poly[2-methoxy-5-(3,7-dimethyl-octyloxy)-1,4-phenylenevinylene] end capped with POSS. It is also called **MDMO-PPV**. ADS204RE is highly soluble in toluene, chlorobenzene, tetrahydrofuran, and chloroform. ADS204RE can be used for fabrication of light emitting displays, organic solar cells and biosensors.*

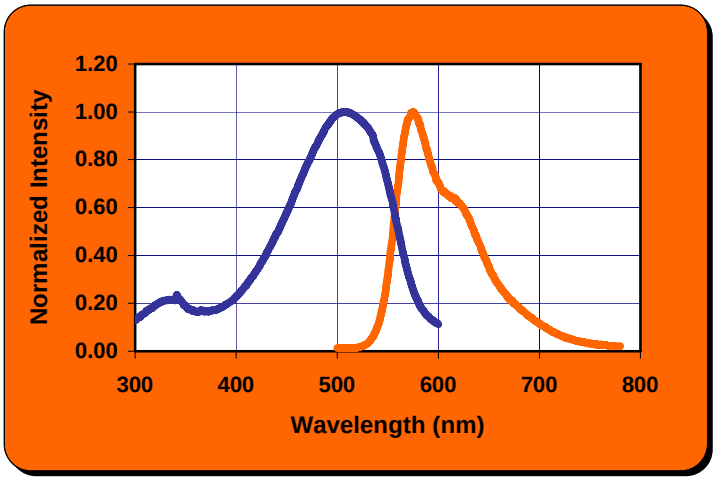
TECHNICAL DATA

- *Appearance: Orange fiber*
- *Molecular weights (please specify):*
  - *Low: 50,000 – 500,000*
  - *High: > 500,000*
- *Absorption maximum: 509 nm*
- *Photoluminescent maximum: 575 nm*
- *Storage: under Argon atmosphere*

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS204RE film on ITO glass.

CONTACT INFORMATION

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