



LIGHT EMITTING HOMOPOLYMER FOR OLED & PLED DEVICES

ADS104RE

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.

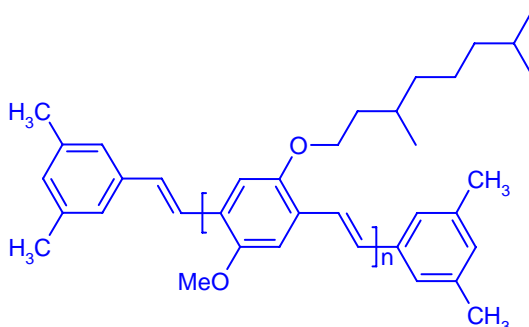
DESCRIPTION

ADS104RE is Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylenevinylene] end capped with DMP. It is also called **MDMO-PPV**. ADS104RE is highly soluble in toluene, chlorobenzene, tetrahydrofuran, and chloroform. ADS104RE can be used for fabrication of light emitting displays, organic solar cells and biosensors.

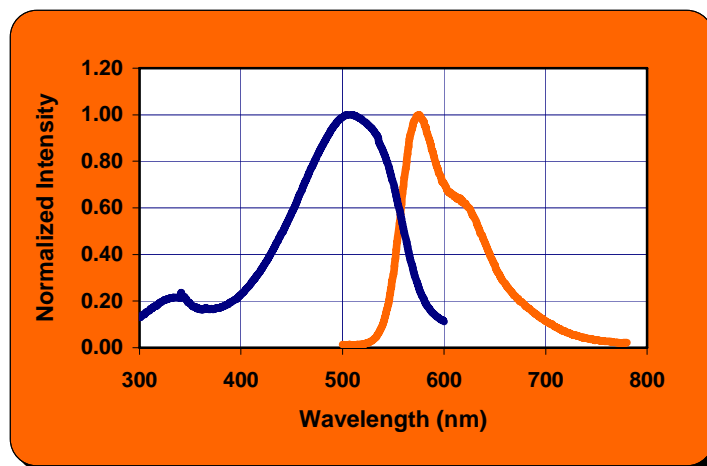
TECHNICAL DATA

- Appearance: orange fiber
- Molecular weights:
 - 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 ADS104RE film on ITO glass.

CONTACT INFORMATION

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