PRODUCT BULLETIN

Revised October 2005

FLUORENE COPOLYMER

ADS108GE

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.

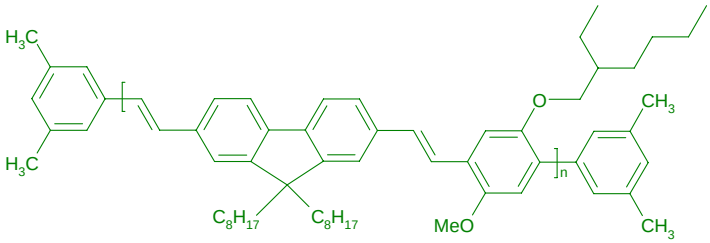
DESCRIPTION

***ADS108GE** is Poly[(9,9-dioctyl-2,7-divinylene-fluorenylene)-alt-co-{2-methoxy-5-(2-ethyl-hexyloxy)-1,4-phenylene}] end capped with DMP. ADS108GE is highly soluble in toluene and tetrahydrofuran. ADS108GE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.*

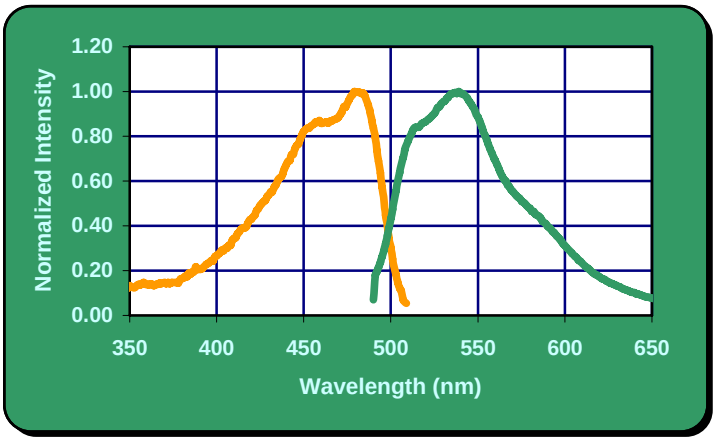
TECHNICAL DATA

- *Appearance: Light Yellow Fiber*
- *Molecular Weight: 50,000 – 300,000*
- *Decomposition Temperature: > 100 ^{O}C*
- *Absorption maximum: 479 nm*
- *Photoluminescent maximum: 539 nm*
- *Storage: under Nitrogen atmosphere*

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS108GE film on ITO glass.

CONTACT INFORMATION

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