



FLUORENE COPOLYMER ADS106RE

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.

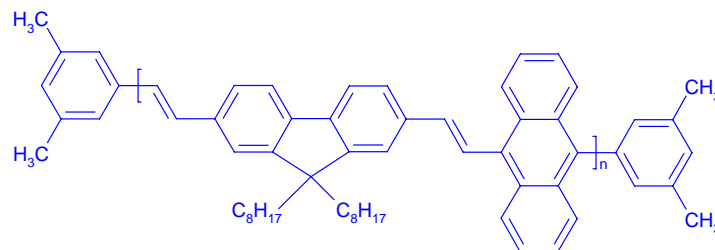
DESCRIPTION

ADS106RE is Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] end capped with 2,5-diphenyl-1,2,4-oxadiazole. ADS106RE is highly soluble in toluene and tetrahydrofuran. ADS106RE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.

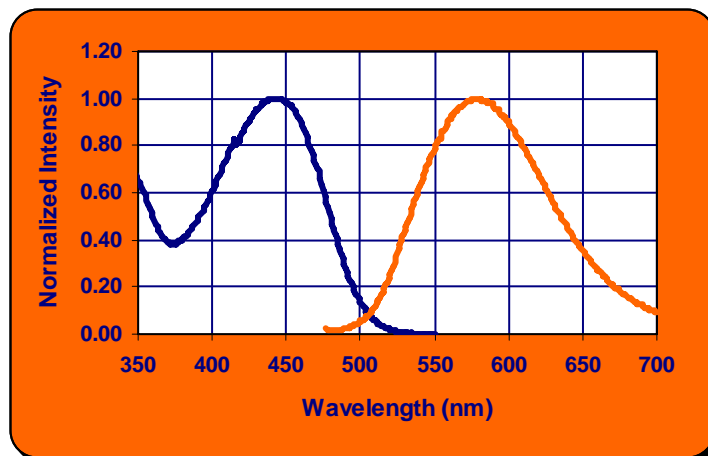
TECHNICAL DATA

- ❑ Appearance: Orange Fiber
- ❑ Molecular Weight: 50,000 – 200,000
- ❑ Decomposition Temperature: > 200 °C
- ❑ Absorption maximum: 443 nm
- ❑ Photoluminescent maximum: 576 nm
- ❑ Storage: under Nitrogen atmosphere

STRUCTURE



SPECTRA



Absorption and emission spectra of ADS106RE film in THF solution.

CONTACT INFORMATION

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