



## FLUORENE COPOLYMER ADS232GE

### 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.

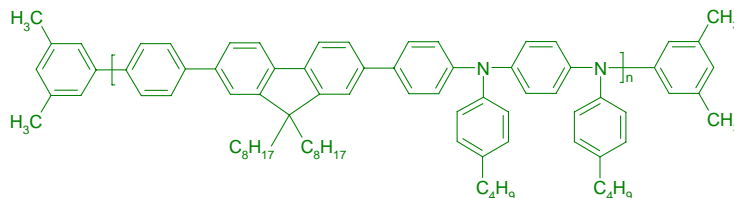
### DESCRIPTION

**ADS232GE** is Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(N,N'-diphenyl)-N,N'-di(p-butyl-oxyphenyl)-1,4-diaminobenzene)]. ADS232GE is highly soluble in toluene and tetrahydrofuran. ADS232GE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.

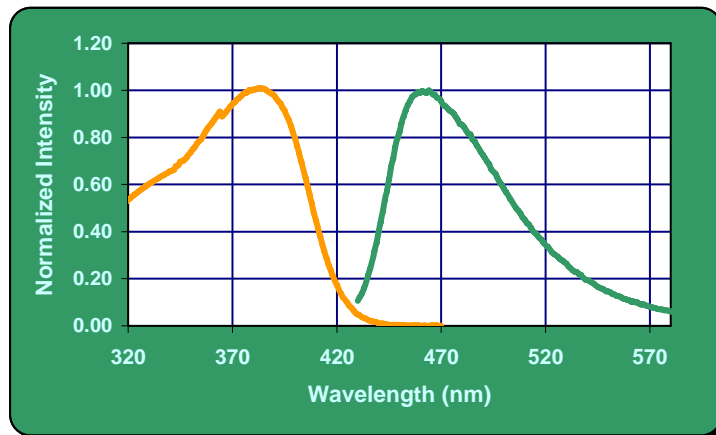
### TECHNICAL DATA

- ❑ Appearance: Light Yellow Fiber
- ❑ Molecular Weight: 80,000 – 120,000
- ❑ Decomposition Temperature: > 300 °C
- ❑ Absorption maximum: 380 nm
- ❑ Photoluminescent maximum: 452 nm
- ❑ Storage: under Nitrogen atmosphere

### STRUCTURE



### SPECTRA



Absorption and emission spectra of ADS232GE film on ITO glass.

### CONTACT INFORMATION

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