



## WATER SOLUBLE POLYANILINE FOR ELECTRONIC APPLICATIONS

### ADS650WP

#### INTRODUCTION

American Dye Source, Inc. offers from gram to kilogram quantity conjugated polymers, which are derived from aniline, benzothiazole, carbazole fluorene, phenylene, phenylene-vinylene and thiophene. We supply these products in solid forms or in solutions.

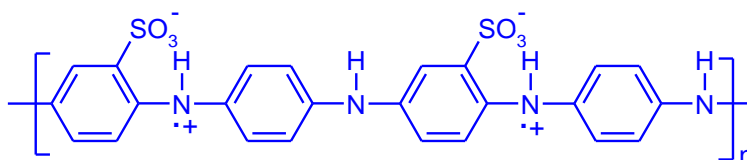
#### DESCRIPTION

**ADS650WP** is a sulfonated polyaniline. This polymer is highly soluble in water and dipolar solvents. ADS650WP can be for fabrication of electronic devices using inkjet-printing, spin coating and web-coating techniques.

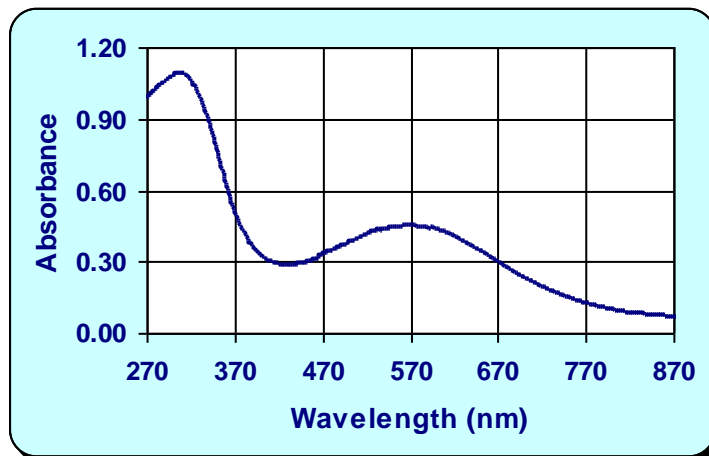
#### TECHNICAL DATA

- Appearance: dark green powder
- Molecular weights: 10 K – 20 K
- S/N: 0.5 – 0.7
- Conductivity: 0.2 – 0.5 S/cm<sup>2</sup>
- Melting Temperature: 220 °C (dec.)
- Absorption maximum: 308 and 566 nm
- Shelf life: 12 months

#### STRUCTURE



#### SPECTRA



Absorption spectrum of ADS650WP in 0.1M NH<sub>4</sub>OH aqueous solution

#### CONTACT INFORMATION

##### American Dye Source, Inc.

555 Morgan Boulevard

Baie d'Urfe, Quebec, Canada H9X 3T6

Tel. 514 457-0070

Fax 514 457-0071

Website: [www.adsdyes.com](http://www.adsdyes.com)

E-mail: [info@adsdyes.com](mailto:info@adsdyes.com)

#### DISCLAIMER

The information in this bulletin is believed to be accurate, but all recommendations are made without warranty since the conditions of use are beyond the control of American Dye Source, Inc. The listed properties are illustrative only, and not product specifications. American Dye Source, Inc. disclaims any liability in connection with the use of the information, and does not warrant against infringement by reason of the use of its products in combination with other material or in any process.