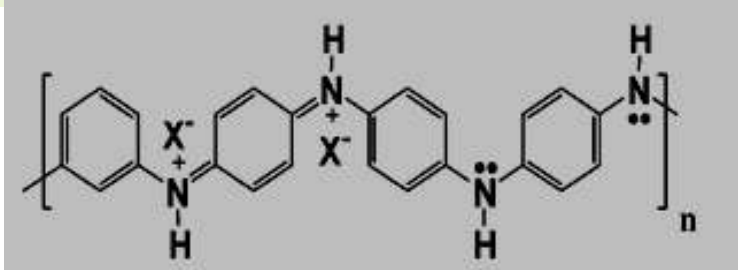


Polyaniline (Doped, Conducting Polymer)



Representative structure of Polyaniline-salt.
X⁻ is anion from dopant which is associated with the polymer backbone.

Minimum pack : 25 gm.

Other Packs : 50 gm, 100 gm, 500 gm, 1 Kg.

Request a Quote : psomani1@yahoo.com

Synonyms : Conducting Polyaniline, PANI, Polyaniline-salt.

Appearance : Dark Green Powder

Conductivity (ohm⁻¹cm⁻¹) ≈ Variable (depends on dopant)

Moisture content (wt %) ≈ 4 – 6

Working Temperature : 100 °C

Maximum Processing Temperature : 225 °C

Degradation Point : 350 °C

Particle size : 1 – 100 microns

Solubility : Insoluble in common organic solvents.

Melting point and Glass transition temperature : No melting and glass transition point. It degrades before melting – infusible.

Chemical Reactions : It is an acid type. It reacts with bases and reducing agents.

Safety : Use personal protective equipments such as eye-shield, gloves, respiratory mask etc.

Applied Science Innovations Pvt. Ltd., India

Web : <http://www.applied-science-innovations.com>