

PRODUCT DATA SHEET

POLYANILINE

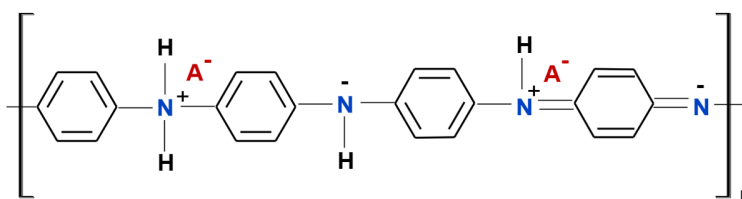
PRODUCT DETAILS

Chemical Name Polyaniline Emeraldine Salt

Product Code PANI - ES

CAS No. 25233-30-1

Molecular Structure



X = Dopant p – toluene sulfonic acid

PRODUCT SPECIFICATIONS

Appearance Dark green powder

Conductivity (S/cm) 1 – 10 S/cm

Moisture Content (wt%) ~ 3%

Solubility Insoluble in common organic solvents.

Working Temperature 100 °C

Maximum Processing Temperature < 200 °C

Melting Point and Glass Transition Temperature No melting and glass transition point. These polymers are infusible

Chemical Reaction Reacts with bases and reducing agents.

APPLICATIONS

RADAR absorbing material, Anti-corrosion additive for paints and related coatings, Antistatic, EMI shielding, Battery, Capacitor, Sensor etc