

PRODUCT DATA SHEET

DISSIPO – WR (Polyaniline dispersion in water)

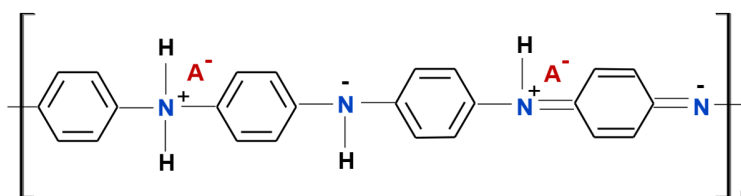
Physical Properties

Chemical Name Polyaniline (emeraldine salt)

Abbreviation PAni

CAS No. 25233-30-1

Molecular Structure



Specifications

Appearance Dark green colour viscous dispersion

Solid Content (%w) 10% \pm 1% Polyaniline in water

Particle Size (nm) < 500 nm

Specific Gravity 1.03 \pm 0.02

Solubility The dispersed particles are insoluble in water / organic solvent.

Working Temperature < 100 °C

Chemical Reaction Reacts with bases and reducing agents.

Applications

- Anti-corrosion /antistatic / conductive additive for paints, for water based system.
- It is recommended to incorporate at letdown stage adding under continuous stirring and ensure it is mixed very uniformly. The impact on curing speed, hardness, flexibility and other critical properties needs to be assessed by the user carefully along with product stability. The dispersion is highly thixotropic in nature. Proper homogenisation is necessary before use.
- It imparts greenish / greyish tone which would vary depending on the amount of other additives present in the composition and the level of usage of the additive. Shade adjustment may be a necessity.