

# **ABR ORGANICS LIMITED**

( An ISO 9001:2015 Certified Company )

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## **ABRON PA936**

( Epoxy resin system )

ABRON PA936 resin system consists of three parts, resin, hardener and solvent. The hardener ( Part B ) is to be dissolved into the solvent ( Part C ) and then the resin ( Part A ) is added to form the resin solution ( specific ratios to be taken ).

The main application of ABRON PA936 system is to manufacture epoxy diamond dotted paper used in the manufacture of electrical transformers. On application to the electrical grade craft paper ( applicator machine ) the resin becomes tack free and remains so for a period of six months in B-stage.

On heating the paper to 90°C, the resin melts and cures completely in 90 minutes. When used in transformer windings the epoxy holds the coils in place thereby increasing the life of the transformer.

### **Typical properties of ABRON PA936 resin system:**

#### **Part A : Specially formulated Epoxy resin**

Appearance : Golden yellow liquid  
Solid Content : 70 - 75 %  
Viscosity in cP : 15,000 - 20,000

#### **Part B : Hardener**

Appearance : Yellow to cream fine powder  
Bulk Density : 0.45 - 0.55 gm/cc

#### **Part C : Solvent system**

Appearance : Colorless liquid  
Specific gravity : 0.9 - 1.0  
Refractive Index : 1.4 - 1.5

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