



## REPLONIC- 5851

### TECHNICAL DATA SHEET

**KETONIC RESIN-5851** has high alcohol solubility, pale colour coupled with absence of acidity, rendering it highly useful in the manufacture of paper varnishes and ball-point inks of varying shades. It can also be used in Flexographic Liquid Inks as well as inks for felt-tipped pens.

**KR-5851** is a good substitute for natural alcohol soluble resins like Shellac. It can also be used with Short Oil Alkyd in formulating solvent free heat set adhesives. Along with nitro-cellulose 5851 can be used in nail polish, wood polish, etc. for high gloss and good hardness. This resin has limited compatibility with Aminos, Polyamides and hence only partial usage is recommended.

### CHARACTERISTICS

**Appearance :**

Pale Yellow Broken Lumps

**Melting Point (Capillary) :**

95 ± 5°C

**Softening Point (B&R) :**

100 ± 5°C

**Acid Value mgs. of KOH/gm :**

0.5 Max

**Hydroxyl Value mgs. of KOH/gm :**

200 Min

**Specific Gravity :**

1.15 ± 0.02

**In 50% SDS :**

Colour on Gardner Scale : 4 Max.

Clarity : Clear

Viscosity at 30°C on F. C. B4 : 20 ± 2 Secs.

### STORAGE

Storage stability of **KR-5851** at or below temperature 35°C packed in original container can withstand to at least 12 months.

### SOLUBILITY

Freely soluble in lower alcohols, lower ketones, esters and ethylene glycol ethers (and their esters).

Partially soluble in aromatic solvents. Insoluble in aliphatic solvents, cyclic aliphatic solvents, etc.

### COMPATIBILITY

Limited compatibility with Toluene soluble-resins, is observed for alcohol solutions of 5851. However, alcohol soluble resins exhibit fairly good compatibility. The resin mixes well with plasticizers like DOP, DBP, etc.