



**Manufactured by: - M/s BANSI LAL & SON**

## **NUMELAMINE RESIN – 126**

DESCRIPTION: Pure non – plasticized melamine resin. Medium viscous, colourless solution in butyl alcohol.

### **CHARACTERISTICS:**

SOLID CONTANT	54 – 66 %
ACID VALUE	LESS THEN 1
STOVING RESIDUE	(APPROXIMETILY) 52 – 53 % AT 120 °C 2 HOURS.
VISCOSITY	15 – 20 POISES AT 20 °C
SOLUBILITY	GOOD IN AROMATIC HYDROCARBON, GLYCOL ETHERS, ESTERS, KETONES AND ALCOHOLS.

Limited in aliphatic hydrocarbons & Turpentine.

### **TYPICAL USES:**

The resin has very good hardening properties, and the most important use in, combination with alkyds, and other plasticizing resins for preparation of high quality stoving enamels of all types, e.g. for refrigerators, washing machines, metal products etc. since it is a colourless resin highly resistant to discoloration, it can also be employed for production of air – drying enamels using nitro – cellulose base, together with normal plasticizers.

### **COLOURING INGREDIENTS:**

Heat stable dyes, inorganic pigments of good covering and colouring power. Dyes soluble in organic solvents.

### **METHOD OF VARNISH PREPARATION:**

The resin is mixed at room temperature with other varnish ingredients or their solutions. The solvent constituent depends on vehicle as a whole. Generally good percentage of higher alcohols gives better storage life. Glycol – Ethers of higher ketones can be added to obtain better control of flow or film formation.

First incorporating pigments carry out colouring, with other then resin constituents.

**Stoving Temperature:**      90°C – 110°C when based on drying alkyds resins.  
    100°C – 120°C when based on non – drying alkyds resins.

### **FILM PROPERTIES:**

Extremely hard colouring films of good resistance to yellowing and heat. Hardening progresses smoothly and without difficulty, giving high gloss and surface quality to films. Films are well resistance to water, salt solutions, organic solvents and chemicals. Resin when used in combination with alkyd based on dehydrated castor oil produces films with highest elasticity and hardness. With non – drying alkyd resins, light and heat resistance films with good filling power and gloss are obtained. This resin is very suitable for preparation of 'Infra – Red' drying enamels.

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