

## POLYTONE™ SYNTHETIC RESINS

### Ketone Formaldehyde Resin

TECHNICAL DATA	POLYTONE™ K-93
Chemical Classification	Cyclohexanone Formaldehyde Resin
Physical Form	Pearl Shaped Granular Solid
Softening Point (Ball & Ring Method )	98° C – 103 ° C
Viscosity of 50% solution in Industrial Spirit at 25° C by B 4 Ford Cup	15 - 17 sec
Iodine No of 50% solution in Iodine No of 50% solution in	1.0 Max
Hydroxyl Value	265-285 mg KOH / gm resin
Acid Value	1 mg KOH / gm resin ( Max )

**Properties & Usage**

These resins are highly effective in imparting gloss, adhesiveness, leveling and also in increasing the solid content leading to a reduction in the VOC. The hydroxyl polarity leads to better adhesion and wetting of pigments and surfaces. POLYTONE™ K -93 is used in the manufacture of all types of nitrolacquers and are useful in the manufacture of PVC lacquers and for polishing lacquers and finishes for the surface treatment of wooden furniture and articles. POLYTONE™ K- 93 is also useful in heat seal coatings, primer and base coatings, gasoline resistant coatings, nail lacquers etc.

**Industrial Applications**

Flexographic Inks, Gravure Inks, Lamination Inks, Ball Point Inks, Lacquers, Offset Inks, PU-systems, Nitro Cellulose Paints, Varnishes, Heat Seal Coating, Primer and Base Coatings, Gasoline resistant coatings, Nail Lacquers and many more

**Solubility**

POLYTONE™ K – 93 is soluble in alcohols (not in methanol), ketones, esters, glycol ether acetates, as well as in some aromatic & chlorinated hydrocarbons. They are however not soluble in water and in aliphatic hydrocarbons

**Compatibility**

POLYTONE™ K – 93 is compatible with different types of nitrocellulose, benzyl cellulose, ethyl cellulose, cellulose acetate, polyvinyl chloride, chlorinated rubber, as well as in many synthetic resins e.g. alkyd resins, pthallic resins, UF resins, polyvinyl butyryl resins, polyamide, phenol formaldehyde condensation resins etc and a multitude of plasticizers.

**Packaging**

Available in 25 Kg bags

**Shelf Life**

Store under cool dry conditions. It is recommended that the material be used within 12 months from the date of manufacture