

## Long Soybean Isophthalic Alkyd Resin

### Description

ALK 3072 99 is an long soybean oil isophthalic acid modified polyester resin air drying applications.

### Suggested uses

High Quality printing inks for paper and Tins  
 Silk Screen Inks  
 Web offset printing inks Heatset and Coldset  
 Sheetfed offset inks  
 Low Odor inks  
 Metal deco inks (3 piece can,colours)

### Solubility / Thinnability

Aliphatic Hydrocarbons  
 Aromatic Hydrocarbons  
 Vegetable Oils  
 Esters  
 Ketones  
 Insoluble in Nitocellulose

### Performance

Excellent Gloss  
 Excellent Drying  
 Excellent Flow and levelling properties  
 Very good flexibility and good gloss retention  
 Good Pigment wetting  
 Good litho properties (water Balance)  
 Fast setting  
 Low odor and low yellowing

### Stability

Under the above-mentioned storage conditions the Stability of the resin will be 24 months ex-work

<b>ALK 3072 99</b> <b>Typical Physical</b> <b>and Chemical Properties</b>
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Oil Length in %	70
Acid Value (mg Koh/gm)Max.	12
Reducer	50% in M.T.O
Colour in Gardner Scale Maximum.	8
Viscosity 30 C Ford cup FCB4 Sec	40 - 45
Solid Contents in % , 120 C/1 Hr.	98 - 100
Ethanol Number	5 - 10
Methanol Number	2 - 6
Appearance	Slight Hazy

### Drying time

0.5% lead ,0.05% cobalt and 0.1 % Calcium metal on solid resin basis @ 30 C In lead free systems use 0.2% - 0.6% of Zirconium can be used as an alternative to Lead.

Surface dry	2 - 3 hrs
Tack free	5 - 6 hrs
Hard dry	Overnight

Drying time is related to relative humidity and aromatic contents of MTO / White Spirit

### Storage

It should be stored indoors in the original, unopened and undamaged containers in a dry Place at storage temperatures between 5°C&30°C. Exposure to sun shine should be avoided

### Packing Codes

PAC 1000	Bulk tankers Mild steel
PAC 0011	Iso Tank
PAC 1011	Steel Closed head drums 200 Kgs net
PAC 5011	Second hand Steel Closed head drums 200 Kgs

\* Special packing also available on request