

Long Soybean Isophthalic Alkyd Resin

Description

ALK 3074 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

ALK 3074 99 Typical Physical and Chemical Properties

Oil Length in %	74
Acid Value (mg Koh/gm)Max.	8
Reducer	50% in M.T.O
Colour in Gardner Scale Maximum.	6
As such viscosity in Pa.s @ 23 C	45 - 55
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