Short Coconut Oil Alkyd Resin

**Description**
ALK 4131 70 is Short oil coconut based modified polyester resin for baking, nitrocellulose and catalyze applications.

**Suggested uses**
- Non Yellowing Baking Enamels
- Tin Plate Varnishes
- General purpose stoving enamels
- Polyurethane Finishes
- High Quality clear and pigmented NC lacquers for furniture and motor cars

**Compatibility**
- Short Oil Alkyds: Compatible
- Amino Resins: Compatible
- Nitro Cellulose: Compatible
- Isocyanate: Compatible

**Solubility / Thinnability**
- Aromatic Hydrocarbons
- Esters
- Ketones
- Glycol ethers and esters
- Limited Solubility in Aliphatic hydrocarbon
- Limited Solubility in Alcohols
- Insoluble in Chlorinated hydrocarbon

**Performance**
- Excellent Gloss and gloss retention
- Good mechanical performance
- Excellent Non - yellowing properties
- Good Hardness

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

### ALK 4131 70
#### Typical Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent</td>
<td>Xylene</td>
</tr>
<tr>
<td>Oil Length in %</td>
<td>32</td>
</tr>
<tr>
<td>Acid Value (mg Koh/gm) Max.</td>
<td>15</td>
</tr>
<tr>
<td>Reducer</td>
<td>50 % in Xylene</td>
</tr>
<tr>
<td>Colour in Gardner Scale Maximum.</td>
<td>2</td>
</tr>
<tr>
<td>Viscosity in Gardener @ 25°C</td>
<td>O - S</td>
</tr>
<tr>
<td>(50 % Solution)</td>
<td></td>
</tr>
<tr>
<td>Viscosity 30°C Ford cup FCB4 Sec</td>
<td>100 - 130</td>
</tr>
<tr>
<td>Solid Contents in %, 120°C/1 Hr.</td>
<td>69 - 71</td>
</tr>
<tr>
<td>Oh Value on resin solid basis</td>
<td>110 - 120</td>
</tr>
</tbody>
</table>

**Recommendations**
For an optimum performance with respect to level of cure, flexibility, hardness and impact resistance, a combination of resin with Amino Resin at ratio of 60:40, 70:30 on solid resin content is suggested. Then stoved at certain recommended Cure the use of 1%- 6% of acid catalyst is (20% to 25% solution) recommende mainly p- toluene sulphonic acid is used as a acid catalyst.

**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

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