Short Coconut Oil Alkyd Resin

Description
ALK 4134 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  
Amino Resins  
Nitro Cellulose  
Isocyanate
Compatible
Compatible
Compatible
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

Typical Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<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>
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<tr>
<td>Reducer 50 % in Xylene</td>
<td>120</td>
</tr>
<tr>
<td>Colour in Gardner Scale Maximum.</td>
<td>2</td>
</tr>
<tr>
<td>Viscosity in Gardner @ 25 C (50 % Solution)</td>
<td>80 - 85</td>
</tr>
<tr>
<td>Viscosity 30 C Ford cup FCB4 Sec</td>
<td>300 - 600</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 res content is suggested. Then stoved at certain recommended Cure the use of 1%- 6% of acid catalyst is (20% to 25% solution) recommends 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

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