Rosin Modified Phenolic Resin

Description
PHE 5007 99 is rosin modified structured visco-elastic phenolic resin which offers high melting ,high molecular weight high solubility , low tack resin.

Suggested uses
- Webset(heatset and coldset ) offset inks
- Sheetfed offset inks
- Waterless/letterpress
- Colored news Inks

Compatibility
- Long Oil Alkyds: Compatible
- Medium Oil Alkyds: Compatible
- Rosinated alkyls: Compatible
- Vegetable Oils: Compatible
- Stand Oil: Compatible

Solubility / Thinnability
- Aromatic Hydrocarbons
- Aliphatic hydrocarbon
- Esters
- Ketones
- Varnishes
- Vegetable Oils
- Insoluble in Alcohols

Special Properties / Advantages
- High solubility / very high gloss and fast setting
- Press Stability/stability of rheology under high shear conditions
- Water balance/ No misting
- Holdout
- High melting point/heat resistance
- Low Tack
- No/less gelling

Typical Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Non Volatile Content</td>
<td>100</td>
</tr>
<tr>
<td>Melting Point Ball &amp; Ring °C</td>
<td>145-155</td>
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<tr>
<td>Acid Value (mg Koh/gm)Max.</td>
<td>25</td>
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<tr>
<td>Reducer</td>
<td>40 % in Xylene</td>
</tr>
<tr>
<td>Colour in Gardner Scale Maximum</td>
<td>12</td>
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<tr>
<td>Viscosity in FCB4 @ 25 °C</td>
<td>45 - 55</td>
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<tr>
<td>MTO /WS Tolerance Minimum</td>
<td>1 : ∞</td>
</tr>
<tr>
<td>Cloud Point (10% inPKWF 6/9 AFN)</td>
<td>85 °C</td>
</tr>
</tbody>
</table>

Storage
The large contact surface the pieces of resin present make them susceptible to gradual oxidation, which can be more advanced in some batches than others. This can cause darkening and/or affect the resin’s solubility in organic solvents. Therefore, we strongly recommend keeping strict control of inventories at all times, and taking special care to ensure that the oldest material is used first. We suggest a shelf life of 1 year for this product.

Packing Codes
- PAC 3010 HDPE Wovensack Net 25 Kgs.
- PAC 3015 Jumbobag HDPE Wovensack Net 300 Kgs.
- PAC 3020 Jumbobag HDPE Wovensack Net 500 Kgs.

* Special packing also available on request

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