Rosin Modified Maleic Resin Oil Soluble

**Description**
PHE 5111 99 is a oil soluble Rosin modified Maleic resin which is modified in combination with Pentaerythritol.

**Suggested uses**
- Synthetic Enamel
- General Inks like letter press and offset Inks.
- Varnishes
- NC Lacquers.

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

**Solubility / Thinnability**
- Aromatic Hydrocarbons
- Aliphatic hydrocarbon

**Performance**
- Excellent Gloss
- Good Hardness

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<table>
<thead>
<tr>
<th>PHE 5111 99</th>
<th>Typical Physical and Chemical Properties</th>
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<tbody>
<tr>
<td>% Non Volatile Content</td>
<td>100</td>
</tr>
<tr>
<td>Softening Point Ball &amp; Ring °C</td>
<td>135-140</td>
</tr>
<tr>
<td>Acid Value (mg Koh/gm)Max.</td>
<td>20</td>
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<tr>
<td>Reducer</td>
<td>50 % in Toluene</td>
</tr>
<tr>
<td>Colour in Gardner Scale Maximum</td>
<td></td>
</tr>
<tr>
<td>50 % solution</td>
<td>12</td>
</tr>
<tr>
<td>Viscosity in FCB4 @ 25 °C</td>
<td></td>
</tr>
<tr>
<td>50 % solution</td>
<td>24 - 30</td>
</tr>
<tr>
<td>MTO /WS Tolerance Minimum</td>
<td>1 : 10</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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