**Technical Data Sheet**

**ERKAZIT™ 4905 E**

**Phenolic Modified Rosin based Resinate**

**IMPORTANT CHARACTERISTICS:**

Erkazit™ 4905 E is a publication gravure phenolic modified rosin based resinate for pigment grinding, especially for the manufacturing of red, blue and yellow inks. For that, resin solutions of 45-55% are advisable. Particularly the pigment wetting behaviour with Milori blue pigment can be emphasized.

Erkazit™ 4905 E can be mixed with other grinding resins in any ratio. The combination with let down resins leads to inks with high toluene dilutability.

Erkazit™ 4905 E exhibits a fast drying, a good blocking resistance and a quick solvent release.

**APPLICATIONS:**

- Publication gravure, toluene based
- Grinding varnish
- In particular for red, blue and yellow inks

**BENEFITS:**

- Excellent pigment wetting
- Excellent pigment wetting with Milori blue
- Fast drying
- Good blocking resistance
- Quick solvent release

### Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid value</td>
<td>30</td>
<td>mg KOH/g</td>
<td>Titration</td>
</tr>
<tr>
<td>Flow time</td>
<td>30</td>
<td>sec</td>
<td>45% in toluene / DIN 4mm cup, 20 ºC</td>
</tr>
<tr>
<td>Dilutability</td>
<td>55</td>
<td>%</td>
<td>Grams toluene added to 100 g solution (45%) to get 30 sec / GS 3mm cup, 20 ºC</td>
</tr>
<tr>
<td></td>
<td>28.9</td>
<td>%</td>
<td>Solid content to get 30 sec / GS 3mm cup, 20 ºC</td>
</tr>
</tbody>
</table>

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