FLEX-REZ 4512AS
Alcohol Soluble Polyamide Resin

IMPORTANT CHARACTERISTICS:

Flex-rez 4512 AS combines excellent alcohol solubility with nitrocellulose compatibility to produce flexographic inks having excellent gloss and runability. It exhibits excellent tolerance for ester solvents. The high degree of compatibility along with high solubility makes Flex-rez 4512 AS an excellent polyamide for pigment wetting applications. Additionally, Flex-rez 4512 AS has outstanding gel resistance and can be used to improve gel characteristics when combined with traditional polyamide resins. Flex-rez 4512 AS has excellent adhesion on all difficult substrates.

APPLICATIONS:
- Gravure inks
- Coatings and overprint varnishes
- Flexographic inks

BENEFITS:
- High solubility in alcohol
- Low viscosity
- High gloss
- Deepfreeze and water resistance
- Gel resistance
- NC-compatible

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>Max.6</td>
<td>mgKOH/g</td>
<td></td>
</tr>
<tr>
<td>Amine value</td>
<td>Max.6</td>
<td>mgKOH/g</td>
<td></td>
</tr>
<tr>
<td>Viscosity (50% N.V. in 95% Ethanol)</td>
<td>B</td>
<td></td>
<td>G-H, End-End, 25 ºC</td>
</tr>
<tr>
<td>Dilution (in 95% Ethanol)</td>
<td>Max. 26%</td>
<td></td>
<td>Ring &amp; Ball method</td>
</tr>
<tr>
<td>Melting point</td>
<td>110 ºC</td>
<td></td>
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</tbody>
</table>

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