FLEX-REZ 6243AS

Alcohol Soluble Polyamide Resin

IMPORTANT CHARACTERISTICS:

Flex-rez 6243AS is a high melt point (150 °C) polyamide resin that can be used in inks and overprints that demand high heat resistance. This unique polyamide resin has very high gloss and is soluble in alcohols, producing a clear solution in ethanol. Flex-rez 6243AS has an adhesion, flexibility & color equal to other commercial polyamide resins. It dries to a hard film character, which contributes acid, alkali, grease & water resistance as well as ice-crinkle, block and rub properties. Also, Flex-rez 6243AS does not gel at low temperature (below -5 °C) and can improve the gel resistance of an ordinary polyamide ink. Flex-rez 6243AS offers great potential in the formulation of unique, high performance inks for printing on a variety of synthetic polymer substrates.

APPLICATIONS:

- Gravure inks
- Coatings and overprint varnishes

BENEFITS:

- High melt point
- Film forming
- Heat resistance
- Outstanding gel resistance
- Gel resistance
- Fast solvent release
- 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. 10</td>
<td>mgKOH/g</td>
<td></td>
</tr>
<tr>
<td>Amine value</td>
<td>Max. 10</td>
<td>mgKOH/g</td>
<td></td>
</tr>
<tr>
<td>Viscosity (50% N.V. in 95% Ethanol)</td>
<td>X</td>
<td></td>
<td>G-H, End-End, 25 °C</td>
</tr>
<tr>
<td>Dilution (in 95% Ethanol)</td>
<td>Max. 29%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>150 °C</td>
<td></td>
<td>Ring &amp; Ball method</td>
</tr>
</tbody>
</table>

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