Ultrafine™ 1WLS A
Micronized Ultrafine PTFE

IMPORTANT CHARACTERISTICS:
Ultrafine™ 1WLS A is a premium polytetrafluoroethylene fine powder used to improve surface properties of printing inks and coatings. Ultrafine 1WLS A is designed for lubricity, abrasion and heat resistance and may be used in combination with other waxes for the most effective balance of cost and performance.

Ultrafine 1WLS A is characterized by a slightly broader particle size distribution. Recommended usage level is 1 to 4%.

APPLICATIONS:
- Heatset and sheetfed offset ink
- UV, metal deco, overprint varnish
- Aqueous and UV coatable
- Laser printable
- Hot foil stampable
- Coil, can, wood and powder coatings

BENEFITS:
- COF reduction, enhanced slip and lubricity
- Mar and scuff resistance
- Excellent heat resistance
- Minimal effect on gloss and rheology
- Anti-blocking and anti-stick

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Method / Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grind:</td>
<td>N-1</td>
<td>NPIRI Gage units (5% in ink)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Method: BAX-QC-201</td>
</tr>
<tr>
<td>Peppering:</td>
<td>N-5</td>
<td>NPIRI Gage units (5% in ink)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Method: BAX-QC-201</td>
</tr>
<tr>
<td>Median Particle Size</td>
<td>4.5</td>
<td>Malvern Analyzer, microns</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>2.2</td>
<td></td>
</tr>
</tbody>
</table>

For more information, please contact your sales or technical representative.

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