Brown 10P895
C.I. Pigment Brown 29
CAS # 12737-27-8*

DESCRIPTION: A brown-black powder produced by high temperature calcination. This pigment has good UV and visible opacity, high infrared reflection, is chemically inert, heat resistant, and stable to ultraviolet light. It is non-bleeding and non-migratory. It has low heat build-up and has exceptional durability and hiding power, and is generally used in applications where resistance to heat, light, and weather are needed. It is compatible with most resin systems and polymers, and is non-warping. Typical applications (non inclusive) are liquid and powder coatings, inks, dispersions, plastics, and other applications where equivalent pigment chemistry is used.

COMPOSITION: Iron and Chromium

<table>
<thead>
<tr>
<th>Physical/Chemical Property</th>
<th>Typical Value</th>
<th>Units</th>
<th>Test Method+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>5.0</td>
<td>n/a</td>
<td>SCTM 312</td>
</tr>
<tr>
<td>Loose Packing Density</td>
<td>5.0</td>
<td>lbs./gal</td>
<td>SCTM 194</td>
</tr>
<tr>
<td></td>
<td>0.6</td>
<td>kg/L</td>
<td></td>
</tr>
<tr>
<td>Surface Area (BET)</td>
<td>7.0</td>
<td>m²/g</td>
<td>SCTM 153</td>
</tr>
<tr>
<td>Percent Moisture</td>
<td>0.3</td>
<td>wt. %</td>
<td>SCTM 248</td>
</tr>
<tr>
<td>Mean Particle Size</td>
<td>0.7</td>
<td>microns</td>
<td>SCTM 348</td>
</tr>
<tr>
<td>Conductivity</td>
<td>125</td>
<td>μS/cm</td>
<td>SCTM 142</td>
</tr>
<tr>
<td>Oil Absorption</td>
<td>19</td>
<td>parts oil/100 parts pigment</td>
<td>SCTM134</td>
</tr>
<tr>
<td>pH</td>
<td>10</td>
<td>n/a</td>
<td>SCTM 101</td>
</tr>
<tr>
<td>Residue 325 Mesh</td>
<td>0.02</td>
<td>wt. %</td>
<td>SCTM 135</td>
</tr>
<tr>
<td>Heat Stability</td>
<td>1,500</td>
<td>°F</td>
<td>Observed</td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>°C</td>
<td></td>
</tr>
</tbody>
</table>

+SCTM refers to Shepherd Color Testing Method

Issued by: Brian Schwer – Technical Manager  Issue Date: February 27, 2014

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