PIGMENT ORANGE 64

DCC 7064
Clean bright yellow shade orange
FDA compliant in food plastics
Heat stable to over 300° C
Pigment Orange 64 - DCC 7064

Chemical Class
Benzimidazalone Orange
C.A.S. # 72102-84-2

Product Overview
Clean, bright yellowish orange shade pigment for the colouration of plastics including LDPE, HDPE, PVC, ABS and PC.

Key Attributes
- Non-DCB (Diarylide free – DCB is a suspect human carcinogen)
- Very heat stable - 300˚C
- Will not cause polymer shrinkage or warpage
- Excellent lightfastness
- Bleed/migration resistant in PVC

Pigment Properties
Specific Gravity: 1.5 g/cc

FDA Compliant
DCC 7064 is Food and Drug Administration (FDA) compliant for use as a colourant of polymers used to manufacture food packing under section 178.3297.

Resistance Properties
- Alkali Resistance: Excellent
- Acid Resistance: Excellent
- Lightfastness: Excellent
- Weatherfastness: Excellent
- Warpage: None to Low
- Heat Stability: 300˚C

DCC 7064 - Colour Comparison vs. Leading Orange 64 (L.D.P.E.)

<table>
<thead>
<tr>
<th>Product</th>
<th>DL*</th>
<th>Da*</th>
<th>Db*</th>
<th>DC*</th>
<th>DE*</th>
<th>Tint Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCC 7064 in 1% Masstone</td>
<td>0.88</td>
<td>-2.76</td>
<td>0.87</td>
<td>-1.29</td>
<td>3.03</td>
<td>NA</td>
</tr>
<tr>
<td>DCC 7064 in 1:20 TiO₂ Tint</td>
<td>0.03</td>
<td>-0.12</td>
<td>5.19</td>
<td>3.37</td>
<td>5.19</td>
<td>+16%</td>
</tr>
</tbody>
</table>

DCC 7064 - Colour Comparison vs. Leading Orange 79 (L.D.P.E.)

<table>
<thead>
<tr>
<th>Product</th>
<th>DL*</th>
<th>Da*</th>
<th>Db*</th>
<th>DC*</th>
<th>DE*</th>
<th>Tint Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCC 7064 in 1% Masstone</td>
<td>6.95</td>
<td>2.66</td>
<td>7.94</td>
<td>7.62</td>
<td>10.88</td>
<td>NA</td>
</tr>
<tr>
<td>DCC 7064 in 1:20 TiO₂ Tint</td>
<td>-1.67</td>
<td>3.85</td>
<td>4.24</td>
<td>5.72</td>
<td>5.97</td>
<td>37.12%</td>
</tr>
</tbody>
</table>

The information in this brochure is based on extensive testing and application experience and is believed to be a reliable indication of the results that may be expected. However, the data does not constitute a specification for the products, and is offered only as a guide to performance without guarantee or warranty of any kind. Because of the difficulties of modern colour reproduction, the shades may vary slightly from the final colour application. Since many variables have a strong influence on pigment performance, the users are encouraged to test each product in their own laboratory prior to use.