# DCL-2154 Benzimidazolone Yellow, PY.154

**Description:** DCL-2154 is a high performance green shade yellow pigment for use in high-end coating applications where excellent alkali stabiltiy is required.

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|---|---|---|---|
| **Chemical Type** | Benzimidazolone Yellow | **Constitution No.** | 11781 |
| **Color Index** | Pigment Yellow 154 | **CAS No.** | 68134-22-5 |

## Resistance Properties

| | | | |
|---|---|---|---|
| **MEK** | 4 | **Ethanol** | 4 |
| **Water** | 5 | **Ethyl Acetate** | 5 |
| **Mineral Spirits** | 5 | **Acid** | 5 |
| **Xylene** | 4 | **Alkali** | 5 |

Legend: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent

## Product Characteristics

| | | | |
|---|---|---|---|
| **Migration (1-5)** | | **Lightfastness (1-8): Masstone** | 8 |
| **Heat Stability (°C/°F)** | 200°C (Paints) | **Lightfastness (1-8): Tint 1:10** | 7-8 |
| **Warpage Rating (1-3) * Plastic Only** | | **Weatherfastness (1-5): Masstone** | 5 |
| **Overpaint Resistance * Paints Only** | 5 | **Weatherfastness (1-5): Tint 1:10** | 5 |

Warpage: 1 = minimal, 2 = some, 3 = severe  Weatherfastness: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent  Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=Very Good, 8=Excellent

## Physical Properties

| | | | |
|---|---|---|---|
| **Particle Size (µm)** | | **pH** | 5.5-8.5 |
| **Specific Surface Area ($m^2/g$)** | | **Specific Gravity** | 1.5 |
| **Oil Absorption (g/100g)** | 33 | **Bulk Density (kg/L)** | |
| **Moisture Content (%)** | <3.0% | **Bulk Volume (L/kg)** | |

## Applications

| Plastics | | Coatings | | Inks | | Other |
|---|---|---|---|---|---|---|
| **PVC** | ☐ | **Decorative** | ■ | **Water Flexo** | ☐ | **Paper** |
| **PE** | ☐ | **Automotive/Aerospace** | ■ | **Solvent Flexo** | ☐ | **Rubber** |
| **PP** | ☐ | **Industrial** | ■ | **InkJet** | ☐ | **Finger Paints** |
| **PS** | ☐ | **Powder** | ■ | **UV** | ☐ | **Seed Coatings** |
| **PET** | ☐ | | | **Offset** | ☐ | |
| **Fiber** | ☐ | | | | | |

☐ Not Frequently Used  ◘ Limited  ■ Recommended

**Comments:**

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