# DCL Hybrid 3RLX

**Description:** DCL Hybrid 3RLX is a lemon shade yellow pigment with high colour strength and opacity. DCL Hybrid 3RLX exhibits high saturation, high opacity and is recommended for use in high-end industrial and architectural paints.

| | | | |
|---|---|---|---|
| **Chemical Type** | Hybrid | **Constitution No.** | Proprietary |
| **Color Index** | Proprietary | **CAS No.** | Proprietary |

## Resistance Properties

| | | | |
|---|---|---|---|
| **MEK** | 4 | **Ethanol** | 5 |
| **Water** | 5 | **Ethyl Acetate** | 4 |
| **Mineral Spirits** | 5 | **Acid** | 4 |
| **Xylene** | 5 | **Alkali** | 3 |

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

## Product Characteristics

| | | | |
|---|---|---|---|
| **Migration (1-5)** | | **Lightfastness (1-8): Masstone** | 6-7 |
| **Heat Stability (°C/°F)** | 200 °C (Paints)<br>225 °C (HDPE) | **Lightfastness (1-8)** | 8 |
| **Warpage Rating (1-3) * Plastic Only** | | **Weatherfastness (1-5): Masstone** | 4 |
| **Overpaint Resistance * Paints Only** | 5 | **Weatherfastness (1-5): Tint 1:10** | 4-5 |

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** | 6.0 – 8.0 |
| **Specific Surface Area ($m^2/g$)** | - | **Specific Gravity** | 5.5 |
| **Oil Absorption (g/100g)** | 24 | **Bulk Density (kg/L)** | 0.7 |
| **Volatile Content (%)** | < 1.0 | **Bulk Volume (L/kg)** | 1.1 |

## 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** | ☐ | **Cementitious** | ☐ |
| **Fiber** | ◘ | | | | | | |

☐ Not Frequently Used ◘ Limited ■ Recommended

**Comments:**

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