# DCL-Ultrablue® 7125 Ultramarine Blue

**Description:** DCL-Ultrablue® 7125 is a low sulfur, low moisture ultramarine blue. FDA approved (Section 178-3297).

| | | | |
|---|---|---|---|
| **Chemical Type** | Ultramarine Blue | **Constitution No.** | 77007 |
| **Color Index** | Pigment Blue 29 | **CAS No.** | 57455-37-5 |

## Resistance Properties

| | | | |
|---|---|---|---|
| **MEK** | 5 | **Ethanol** | 5 |
| **Water** | 5 | **Ethyl Acetate** | 5 |
| **Mineral Spirits** | 5 | **Acid** | 1 |
| **Xylene** | 5 | **Alkali** | 3 |

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

## Product Characteristics

| | | | |
|---|---|---|---|
| **Migration (1-5)** | 5 | **Lightfastness (1-8): Masstone** | 7 |
| **Heat Stability (°C/°F)** | 350°C (HDPE) | **Lightfastness (1-8): Tint 1:10** | 7 |
| **Warpage Rating (1-3) * Plastic Only** | 1 | **Weatherfastness (1-5): Masstone** | |
| **Overpaint Resistance * Paints Only** | 5 | **Weatherfastness (1-5): Tint 1:10** | |

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 $D_{90}$ (µm)** | ≤ 4 | **Tap Density (g/cc)** | 0.50-0.55 |
| **Particle Size $D_{100}$ (µm)** | ≤ 44 | **Specific Gravity** | 2.35 |
| **Specific Surface Area ($m^2/g$)** | | **Bulk Density (kg/L)** | |
| **Moisture Content (%)** | 0.05 | **Soluble Salts (%)** | 0.7 |
| **Free Sulphur (max. % by wt.)** | 0.01 | **Oil Absorption (g/100g)** | 34-37 |

## 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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