



DCC Yellow 5035

Description: DCC Yellow 5035 is a pre-darken SO2 resistant high performance lemon shade yellow pigment with stir-in properties and is recommended for high-end coating and plastic applications.

| | | | |
|----------------------|---------------------|-------------------------|-----------|
| Chemical Type | Lemon Chrome Yellow | Constitution No. | 77603 |
| Color Index | Pigment Yellow 34 | CAS No. | 1344-37-2 |

Resistance Properties

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

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

Product Characteristics

| | | | |
|--|--------------------------------|---|---|
| Migration (1-5) | 5 | Lightfastness (1-8): Masstone | 8 |
| Heat Stability (°C/°F) | 200°C (Paints) 260°C (HDPE) | Lightfastness (1-8): Tint 1:10 | 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 (m²/g) | | Specific Gravity | 5.4 |
| Oil Absorption (g/100g) | 27 | Bulk Density (kg/L) | |
| Moisture Content (%) | <1.0% | 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: Restricted to industrial and professional inks, coatings, plastics and roadmarking (subject to regional legislation) This product must not be used for decorative coatings, children's articles (including toys, paints, jewelry and equipment), consumer products, printing inks for consumer products, food and food packaging, drugs and medical devices, ceramics and glassware, cosmetics and tattoos.

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