DCC YELLOW 3GMX-SI
Bright Green Shade Yellow Inorganic Bismuth Vanadate Pigment

SPECIFICATIONS AND PROPERTIES

DESCRIPTION
DCC Yellow 3GMX-SI is a bright, green shade yellow pigment with stir-in dispersing properties. DCC Yellow 3GMX-SI has the highest colour strength, gloss and opacity versus traditional grades. DCC Yellow 3GMX-SI is especially suitable for automotive, industrial and decorative paint applications.

Chemical Type / Common Name
Inorganic / Bismuth Vanadate

Colour Index: Generic Name
Pigment Yellow 184

Colour Index: Constitution No.
771740

CAS Registry No.
14055-33-7

Chemical Name
Bismuth Vanadium Oxide

GENERAL SPECIFICATIONS
Volatile Content (X005) Max. 1.0%
Conductivity (X017) Max. 500 μS/cm
pH (X018) 6.0 - 8.0
Masstone Shade (L003) Max. DE* 1.3, DL* ±0.7, DC* ±0.8, DH* ±0.7
Tint (L003) Strength 100 ±5%, Max. DE* 1.3, DL* ±0.7, DC* ±0.8, DH*±0.7
Tint after Strength Adjustment (L003) Max. DE* 1.3, DL* ±0.7, DC* ±0.8, DH* ±0.7

PHYSICAL PROPERTIES
Specific gravity 5.8 g/cm³
Oil Absorption 26 g/100g
Bulk density 0.5 kg/L
Bulk volume 1.4 L/kg
Specific surface area TBD

PROPERTIES

| Ethyl acetate | Excellent | Soap | Excellent |
| MEK | Excellent | Ethyl alcohol | Excellent |
| Wax (Paraffin) | Excellent | Mineral spirits | Excellent |
| Water | Excellent | Xylene | Excellent |
| Dilute acid (0.5N) | Very Good - Excellent | Dilute alkali (2.5%) | Excellent |
| Over-paint bleed resistance (120°C/30 minutes) | Excellent |
| Heat Resistance: | 120°C/60 minutes – Excellent | 150°C/10 minutes – Excellent | 200°C/10 minutes – Excellent |
| Weather fastness¹ Full Shade | 4-5 | Weather fastness¹ Tint 1:1 TiO₂ | 5 | Weather fastness¹ Tint 1:10 TiO₂ | 5 |
| Light fastness Full Shade | Excellent | Light fastness Tint 1:1 TiO₂ | Excellent | Light fastness Tint 1:10 TiO₂ | Excellent |

¹) Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)

RECOMMENDED APPLICATIONS FOR COATINGS
Architectural Water & Universal ● Coil Coatings ●
Architectural Solvent ● Automotive Coatings ●
Industrial Fast Air Drying ● Powder Coatings ●
Industrial Oven Cured ●

- Recommended  ■ Limited Use ○ Not Recommended

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The information provided is based on extensive use and laboratory testing and is believed to be a reliable indication of the results that may be expected. The data is offered only as a guide to performance, without guarantee or warranty of any kind. Since many variables have a strong influence on pigment performance the user is encouraged to evaluate each product in their own laboratory.