

DCC Yellow 3GMX-SI

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	Bismuth Vanadate	Constitution No.	771740
Color Index	PY.184	CAS No.	14059-33-7

Resistance Properties

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

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 (PP)	Lightfastness (1-8): Tint 1:10	8
Warpage Rating (1-3) * Plastic Only	1	Weatherfastness (1-5): Masstone	4 - 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=VG, 8=Excellent

Physical Properties

Particle Size (µm)	-	pH	6.0 - 8.0
Specific Surface Area (m²/g)		Specific Gravity	5.8
Oil Absorption (g/100g)	26	Bulk Density (kg/L)	0.5
Volatile Content (%)	< 1.0	Bulk Volume (L/kg)	1.4

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			
Fibre	●						

○ Not Frequently Used

○ Limited

● Recommended

Comments:

DISCLAIMER OF LIABILITY FOR RELIANCE ON INFORMATION PROVIDED BY DCL: The information contained herein is true and accurate to the best of our knowledge and are deemed as typical values, being therefore provided without warranty or guarantee. Since the conditions of use are beyond our control, DCL disclaims all liability and assumes no legal responsibility for damages resulting from use of or reliance upon the information contained herein. DCL strongly recommends careful screening/testing before using its products in production.