



301 Chromium Oxide Green Lt.

Description: 301 is a high quality, clean, yellow shade, very stable green pigment that is unaffected by acids, alkalis and solvents. 301 is heat stable and offers excellent value, lightfastness and weatherability. FDA approved (Section 178.3297).

Chemical Type	Chromium Oxide Green	Constitution No.	77288
Color Index	Pigment Green 17	CAS No.	1308-38-9

Resistance Properties

MEK	5	Ethanol	5
Water	5	Ethyl Acetate	5
Mineral Spirits	5	Acid	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)	982°C (HDPE)	Lightfastness (1-8): Tint 1:10	8
Warpage Rating (1-3) * Plastic Only	1	Weatherfastness (1-5): Masstone	8
Overpaint Resistance * Paints Only	5	Weatherfastness (1-5): Tint 1:10	8

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)	0.8-1.0	pH	6.0-8.0
Specific Surface Area (m²/g)	3.2	Specific Gravity	5.1
Oil Absorption (g/100g)	≤ 18.0	Bulk Density (kg/L)	
Volatile Content (%)	≤ 0.50	Melting Point	2300°C
Solubility in Water	Insoluble	Sieve Residue (325 Mesh)	≤ 0.1

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			

Fiber

Not Frequently Used Limited Recommended

Comments: This pigment is also recommended for the construction industry.

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