Technical Data

Chromium Oxide Greens

Chromium Oxide Greens from Cathay industries are high-quality, synthetically produced inorganic color pigments suitable for a wide range of demanding colorant applications. Typical applications include industrial coatings, product finishes, exterior coatings, military coatings, athletic surfaces, plastics, rubber, caulk, abrasives, ceramics, paper, concrete, stucco, cement and mortar.

Produced to strict quality tolerances, our products yield reliable performance properties offering outstanding light fastness, opacity, chemical resistance, exterior durability and compatibility.

Chromium Oxide Green should not be confused with the potentially toxic “Chrome Green” which is a blend of chrome yellow and iron blue. The calcination process utilized to produce chromium oxide green yields a color pigment that is thermally stable to temperatures 1000ºC (1800ºF).

A bright green powder pigment with high heat stability and excellent weathering and light fastness properties. It has excellent acid and alkali resistance. Also known as Moss Green GA74, GA76, and GA78; GA74M, GA76M and GA78M.

TYPICAL PROPERTIES

Appearance:	Green Powder
Chemical Composition:	Cr_2O_3
Particle Shape:	Spherical
Pigment Index:	Green 17
Color Index:	77288
Tapped Density (g/cm^3):	1.0 – 1.2
Density (g/cm^3):	5.2
Cr_2O_3 Content:	≥98.5%
Water Soluble Matter:	≤0.3%
Moisture (Wt. %@ 110ºC):	≤1.0%
Typical pH:	5.0 – 8.0

High Performance “GA-M” Grade Chromium Oxides:

Physical Property:	GA74M	GA76M	GA78M
Avg. Particle Size (microns)	0.30	0.35	0.35
Oil Absorption (g/100g)	15-25	15-25	15-25
Hegman	6.0 +	6.0 +	6.0 +

Standard “GA” Grade Chromium Oxides:

Physical Property:	GA74	GA76	GA78
Avg. Particle Size (microns)	0.30	0.35	0.35
Oil Absorption (g/100g)	15-20	15-20	15-20