

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 1000°C (1800°F).

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 Spherical Particle Shape: Pigment Index: Green 17 Color Index: 77288 Tapped Density (g/cm³): 1.0 - 1.2Density (g/cm³): 5.2 Cr₂O₃ Content: ≥98.5% Water Soluble Matter: ≤0.3% Moisture (Wt. %@ 110°C): ≤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

The information presented in this brochure is given in good faith and is accurate to the best knowledge of Cathay Industries. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee. We make no implied warranty of merchantability, or fitness for a particular purpose. The user has an obligation to test the products to confirm their suitability for the intended use. In no event shall Cathay Industries be liable for damages of any kind arising from the use of reliance upon this information. We expressly disclaim that the use, either adone or in combination with other materials, will not violate the claims of any patent or rightful claim of any third party. Buyer's sole remedy shall be refund of pigment purchase price from point of purchase. Before using any chemical, read its label and Material Safety Data Sheet.