

Chromium Oxide Green 5376

Description

Chromium Oxide Green 5376 is a dark-shade high-tinting strength inorganic green pigment made by reducing alkali chromates obtained from chrome iron ore to chromic oxide under very high processing temperatures. This produces a pigment of high degree of durability, particle hardness and a spherical shape. Its primary use is in coatings, colorants, plastics, paper, adhesives, rubber, buffing and abrasive compounds and other specialty applications. In addition, it meets ASTM C979-82 standards and therefore is suitable to color concrete, stucco or other cement-based products. Chromium Oxide Green 5376 is color-stable in processing temperatures up to 1000°C (1832°F). It is not of sufficient purity for use in packaging or articles that come in contact with food (21CFR) or for the direct coloration of food or cosmetics. It meets specifications: TT-C-306 and TT-P-347. All Chromium Oxide Greens are stable under exposure to sunlight and UV radiation and are alkali, chemical and weather resistant. Chromium Oxide Green 5376 is packaged in 55 pound (25 kilo) multiwall paper bags and shrink-wrapped onto pallets of 2200 pounds (1000 kilos). *Uses: Paint, plastics, rubber, colorants, powder coatings, adhesives, ink, vinyl, abrasives, polishes, concrete, stucco, and plaster.*

Composition/Typical Properties

Cr ₂ O ₃ content (%)	99+
Oil Absorption (g/100g)	15
Weight per Gallon (lbs)	43.3
Specific Gravity (g/cm ³)	5.2
Tap Density (g/ml)	1.2
325 Mesh Retention (%)	0.3
Water Soluble Salts (%)	<0.8
Moisture & Volatile (%)	0.1
Ignition Loss (%)	0.5
pH	6.0 – 7.0
Hegman Grind	<3.0
Particle Shape	Spheroidal
Predominant Particle Size (µm)	0.30

Typical Trace Metal Content in Parts Per Million (ppm)

Arsenic (As)	<0.5
Barium (Ba)	<1
Cadmium (Cd)	<1
Chromium (VI) (Cr) Soluble	<500
Lead (Pb)	<5
Mercury (Hg)	<0.2
Selenium (Se)	<0.5
Zinc (Zn)	<1

The values for typical contents and trace metals are provided as general information only. They are approximate values for reference and not specifications utilized in our standard QC procedures for color and consistency.