



Technical Data Sheet

Strontium Chromate 176

Description – Strontium Chromate

Strontium Chromate, with the chemical formula of SrCrO_4 , is the most effective and versatile corrosion inhibitor pigment available. Strontium Chromate 176 is a low dust, low oil absorption pigment compatible with aqueous or solvent borne paint systems and effective on all metals, such as steel, galvanized steel and aluminum alloys. It is widely used in aerospace and coil primers.

Characteristic	Test Method	Typical Value
Appearance		Yellow powder
Strontium as SrO [%]		48 Min.
Chromate as CrO_3 [%]		46 Min.
Specific Gravity	ASTM D-153	3.75
Bulking Value [gal/lb] [l/kg]		0.032 0.266
pH	ASTM D-1208	7.4 - 8.8
Conductivity [micro Siemens]	ASTM D-2448	1500 Max.
Moisture at 110 °C [%]	ASTM D-280	0.70 Max
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	18 - 25
Apparent Bulk Density, Tapped [g/100 cm ³]	ASTM D-4164	70 - 115
Fineness of Grind [Hegman Value]	ASTM D-1210	5.0 Min.
Mean particle size [microns]	Malvern Mastersizer	4 - 6
Lead as Pb [ppm]	By Atomic Absorption	< 10.0
Cadmium as Cd [ppm]	By Atomic Absorption	< 1.0

Suggested Applications
Solvent epoxies
Water epoxy
PVB
Alkyds
Acrylics
Polyurethanes
Polyesters

These are typical values and do not represent specifications.

The information made herein is based upon our research and the research of others, and is believed to be accurate. No guarantee of accuracy is made and the product discussed is sold without warrant, expressed or implied and upon the condition the purchaser shall make their own tests to determine the suitability of such product for their particular purposes.

