



Strontium Chromate 177

Description – Strontium Chromate

Strontium Chromate 177, with the chemical formula of SrCrO_4 , is a low dust and very low oil absorption corrosion inhibitor pigment. It is recommended for high solids primer formulations. It is characterized by a unique high apparent bulk density and is widely used in aerospace primers for aluminum protection.

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	1700 Max.
Moisture at 110°C [%]	ASTM D-280	0.70 Max.
Oil Absorption [lbs/100 lbs] [kg/100kg]	ASTM D-281	11 - 20 11 - 20
Apparent Bulk Density, Tapped [g/100 cm ³]	ASTM D-4164	80 - 140
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 epoxy
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.

