

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] | | 70 - 115 |
| Fineness of Grind [Hegman Value] | ASTM D-1210 | 5.0 Min. |
| Mean particle size [microns] | Malvern Mastersizer | 4 - 6 |

These are typical values and do not represent specifications.

| Suggested Applications | | |
|------------------------|--|--|
| Solvent epoxies | | |
| Water epoxy | | |
| PVB | | |
| Alkyds | | |
| Acrylics | | |
| Polyurethanes | | |
| Polyesters | | |
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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.



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