

Product DATA BULLETIN

Black Oxide LT 7150

Superior Chemical Blackening Process
for Steel

INCREASING PROFITABILITY THROUGH SOLUTIONS-DRIVEN CHEMICAL TECHNOLOGY

Description:

Black Oxide LT 7150 offers a superior chemical blackening process for steel which produces a durable black finish at temperatures as low as 260 °F. The deep black oxide formed is an integral part of the metal surface. It imparts a high degree of abrasion resistance and increases corrosion resistance when treated with suitable oils and waxes. This formulation produces a fine-grained uniformed surface that can be economically applied. In many cases, it will serve as a substitute for more costly finishes such as painting, plating, or phosphating. Other important advantages are less evaporation, lower fuel costs, and more comfortable working conditions.

Wider Operating Range:

The versatility of the Black Oxide LT 7150 bath makes it possible to process different alloys without readjusting the operating temperature. More production, less down time.

Excellent Corrosion and Abrasion Resistance:

The corrosion protection achieved by a black oxide finish is due both to the quality of the supplementary organic finish and the characteristics of the oxide coating. The deep oxide coating formed by the Blackodize salts will absorb and retain a greater quantity of oil or wax, thus enhancing the corrosion and wear characteristics. Recommended for use on bearing and sliding surfaces where anti-galling and lubrication are necessary.

Attractive Uniform Finish:

Black Oxide LT 7150 will react evenly on all surfaces regardless of the shape or size of the parts. Its low surface tension allows it to penetrate into all crevices and recesses and produces the same uniform finish. This also contributes to free rinsing and reduction in dragout losses. The specially blended formulation ensures physical uniformity of the Black Oxide LT 7150 salt so that the same chemical balance of the bath is maintained.

Long Bath Life:

High tolerance to contamination: Low cost bath make-up and lower temperature operation add up to economy and convenience. Contamination can be controlled by periodic skimming of the surface to remove suspended oxides. Salt additions are necessary to raise temperature.

PRODUCT PROPERTIES

Appearance	White Powder
pH 3% Solution	13.4

PACKAGING CONFIGURATIONS

- 500 Pound Drums

STORAGE & HANDLING

- Packaged in Polyethylene Containers
- Store Inside at Room Temperature in Original Container
- Standard Chemical Handling Practices
- Shelf Life of ~2 Years in Sealed Containers

See SDS for complete safety recommendations.

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