

Looks like Chrome, but it is a unique formulation of Electroless Nickel chrome

**E-KROME™** is Techmetals' latest innovation in nickel alloys—yes, nickel!! With an as plated hardness of 63 Rockwell C & corrosion resistance equal or greater than chrome. This coating was designed to handle today's tough wear applications. In many engineered applications, the mirror-bright finish & overall deposit uniformity eliminates the need for hard & post plate grinding or polishing often associated with chrome. It is almost like depositing electroless chrome! E-Krome deposits meet ASTM B733, AMS 2404D and 2405C specifications.

**USER BENEFITS**

- Perfect Uniform Deposit**
- Hardness of Chrome**
- No Thieves, Robbers or Shields Needed**
- Bright, Shiny, Decorative Appearance**

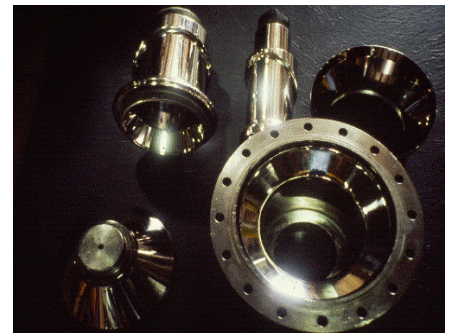
- Appearance of Hard Chrome**
- Good Wear Resistance**
- Economical**
- Good Corrosion Resistance**

**PROPERTIES**

- Hardness
  - HV/RCH—as plated
  - Heat Treated at 590 F +/- 25, 3 hours
- Melting Range
  - °F
  - °C
- Magnetic Properties (Coercivity)
- Corrosion Resistance
- Thickness Control (for a .001 deposit)
  - Maximum Thickness
  - Wear Properties
  - Taber Wear Test
  - Wgt. Loss mg./1000 cycles as plated
  - Wgt. Loss mg./1000 cycles heat-treated

**TYPICAL VALUE**

- 740-825/60-64
- 850-1075/66-70
- 1760-2200 °
- 960-1205°
- Magnetic
- Passes 300-hours
- ASTM-B117
- .001" thick
- +/- .0001
- .001
- 8. 5 - 9. 5
- 5 – 7..5



E-Krome not only looks like Chrome, but in some applications may perform the same function as Chrome

**APPLICATIONS**

- Automotive: Gears, Rocker Arms & Steering Unit Components
- Industrial: Molds, Dies, Hydraulic/Pneumatic Equipment, Cylinder Valve Components & Pumps
- Chemical Processes: Heat Exchangers, Filter Units, Pumps & Mixing Blades
- Process Industries: Printing Cylinders, Textile Heddles, Rolls, Spinnerettes & Extruding Screws
- Electronics: Contact, Rotors, Solenoids, Plastic Enclosures, Heat Sinks, Brakes & Drive Mechanisms for Computers
- Aerospace: Engine Parts, Compressor Sections, External Engine Parts, Composites & Structural Parts
- Oil & Gas: Pumps, Valve Components, Tubing, Tees, Well Head Equipment & Oil Tubes
- Glass Manufacturing: Plungers & Molds



**TECHMETALS, INC.**  
solving your problems with our solutions