



Dav-Tech DAV-LON

Electroless Nickel/Teflon®

Fact: Dav-Tech's revolutionary **DAV-LON®**, Electroless Nickel with Teflon® incorporates our proprietary process to deliver a coating with superior properties.

Description: **DAV-LON®** is a chemically deposited nickel-phosphorous alloy, which is specially treated to infuse a fluorocarbon polymer into the electroless nickel matrix by a proprietary process. Its purpose is to further enhance the already excellent wear and corrosion properties of **Dav-Tech Plating's** electroless nickel. Because the coating deposits uniformly where ever the plating solution contacts the work piece, very complex parts may be processed without concern for edge build-up or lack of plating in recesses. The uniformity of the coating allows the deposit to mirror the surface condition of the substrate and has the surface appearance similar to 300-series stainless steels.

REFERENCE SPECIFICATIONS: Applicable specifications (electroless nickel only) MIL-C-26074, ASTM B733, AMS-2404. The specific **DAV-LON®** process is proprietary to **Dav-Tech Plating, Inc.**

TYPICAL PROPERTIES:

Thickness	.0001" to .010" possible (Most applications .0002 to .0015")
Hardness, as-deposited	48-50 Rc
Hardness, Heat-Treated	68 Rc
Specific Gravity	Approx. 7.8
Coefficient of Friction	Wet (oiled) .04 Dry .08
Wear-Resistance	Excellent (A higher thickness is recommended for most aggressive environments)
Corrosion Resistance	Excellent (A higher thickness is recommended for most aggressive environments)
Acid-Resistance	Passes Nitric Acid spot test
Magnetic Properties	Non-magnetic

SOME TYPICAL USES:

Gun Components
Food Handling Equipment
Mold, Dyes

Pumps
Gears/Bearings
Aircraft Parts (various)
Marine Electronic Parts
Medical
Printing (Rolls, Accessories)

REASON FOR USE:

Wear, Corrosion, Appearance
Wear, Corrosion, Cleanliness
Wear, Corrosion, Release, Uniformity of deposit over complex shapes
Erosion, Corrosion
Wear, Corrosion, Uniformity in I.D.'s
Wear, Corrosion
Corrosion
Corrosion, Cleanliness
Wear, Ink-resistance, Uniformity

WHEN ORDERING DAV-LON®:

- PLEASE INFORM US OF YOUR BASE MATERIAL
- THICKNESS RANGE AND TOLERANCE
- ANY MASKING REQUIREMENTS
- AS DEPOSITED OR HEAT TREATED END USE.

Dav-Tech Plating Inc.

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