

THE PROCESS

Nor-Lube™ is an Electroless Nickel coating with occluded PTFE/Teflon particles.

While the wear properties of PTFE are only fair, Electroless Nickel is well known for its excellent mechanical properties, such as hardness, wear resistance, and tensile strength.

This combination yields a coating that is both hard and lubricious, with a high degree of uniformity and excellent release properties.

PERFORMANCE BENEFITS

Combined Hardness Of Electroless Nickel With the Lubricity and Non-Stick Properties of PTFE.

PTFE Evenly Distributed Throughout the Thickness of the Deposit. Thus, In the Case of Wear, Fresh Particles of PTFE are Exposed to Maintain Lubricity Throughout the Life of the Coating.

Process	Hardness		Wear	Corrosion	Lubricity	Description	Major Benefit
	Rc	Knoop	Suga	Salt Spray (.001")	C.O.F.		
Nor-Lube™						Electroless nickel process with occluded PTFE particles.	Offering supreme lubricity.
As Plated	25	275	53	100 hrs	0.116		
Baked	44	450	25	100 hrs	0.116		

THE OVERVIEW

NOR-LUBE™ (ELECTROLESS NICKEL)

Pioneer's family of electroless nickel plating methods offer a variety of solutions to meet your finishing requirements. Each of our proprietary electroless nickel processes can be specifically engineered to accommodate different hardness and/or corrosion protection needs.

[CLICK HERE TO VIEW IMAGES OF THIS PROCESS](#)

RECEPTIVE METALS

Aluminum Stainless Steel
Brass Iron Alloys
Copper

THICKNESS

.0001 - .005"

TOLERANCES

+/- .0001"

MAX PART SIZE

35" X 30" x 55"

SPECIFICATIONS

Proprietary Process
ELV RoHs & WEEE Compliant
Approved for food grade applications



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