

Electroless Nickel/PTFE

Properties:

Electroless nickel/PTFE is a nickel phosphorus alloy containing 9-12 % phosphorus and the coating has embedded up to 20 % PTFE particles. High corrosion protection.
Friction value of electroless nickel/PTFE on steel ~ 0.1.
450 HV₁₀₀ coating hardness with a maximum heat treatment temperature of 260°C.

Appearance:

Light to dark charcoal grey, matte surface.

Thickness of coating:

3 - 7 µm electroless nickel/PTFE on 5 - 20 µm electroless nickel (Duplex Ni). Uniform coating thickness on the parts both outside and inside.

Base material:

Electroless nickel/PTFE may be plated on steel, stainless steel, cast iron, copper, brass, sintered parts and aluminium.

Application:

Fittings, valves, hydraulic components, transmission and pump parts, wearing parts and welding jaws.
May be used in areas unreachable for lubrication.

