



SUNOLOY® EN-Coating Series

(for alloys of aluminum, steel, stainless steel & more)

Description

Sunoloy® EN-Coating Series are unique, proprietary, interfusions of electroless nickel plating. Combining their conformal coverage with increased hardness, protection from corrosion, high release (nonstick) and low friction, our En-Coating Series creates a “synergistic” effect for a wide variety of practical applications. Surface energies remain the lowest attainable. Bonds are integral with the base material, which means the coatings do not chip, crack, flake, or peel.

Typical Properties

- Typical Range of Surface Growth Available: 0.0005 to 0.001 inch
- Standard Range of Hardness Available: 62-70 (Rockwell C)
- Deposition Temperature: 200° F to 750° F
- Service Temperature: -250°F to 550°F (Some Sunoloy® EN-Coatings will perform to 1,400°F.)
- Release (Non-stick): High
- Friction (Static/Dynamic): 0.04-0.10*
- Friction is a system-dependent parameter, a function of load and mass, distance and rate of travel, hardness, base material, surface finish, counter-surface, temperature, and other factors.

Advantages

Extend tool life • Ease in cleaning • Improve quality • Reduce downtime •
Lower maintenance • Avoid secondary operations • And more

Industries Used

Thermoforming • Hot Plate Welding • Heat Sealing • Food Processing •
Packaging • Medical • Automation • Industrial • Plastics • Forming •
Guides • Molding • And More



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