

PRODUCT OVERVIEW

PMET 806 is a high purity nickel wire specifically designed for arc spraying. PMET 806 produces dense, well-bonded coatings with excellent machineability, electrical conductivity and corrosion resistance. It is widely used for machine element repair applications requiring high corrosion resistance.

TYPICAL DEPOSIT CHARACTERISTICS:

- ⇒ Typical Hardness: HRB 50-60
- ⇒ Bond Strength: 5000 psi
- ⇒ Deposit Rate: 10 lbs/hr/100A
- ⇒ Deposit Efficiency: 70%
- ⇒ Wire Coverage: 0.9 oz/ft² / mil
- ⇒ Surface Texture: * Variable
- ⇒ Machinability: Good

* Depends on air pressure used

SURFACE PREPARATION

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. **Note:** It is best not to handle surfaces after cleaning.

Recommended method of preparation is to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe.

APPLICATION

Resurface:

- Pump plungers
- Pump sleeves
- Shafts
- Impellers
- Castings

NOMINAL CHEMICAL COMPOSITION (wt%)

Ni
99.0

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50-60 psi	*28-30	*100-200	*4-7 in (10-17 cm)

* Parameters are typical and may vary depending on equipment used. Contact your equipment manufacturer for optimum spray parameters

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25# LWS	806062LWS00