

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/ft ² / 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