

PRODUCT OVERVIEW

PMET 876 is a high purity nickel-chrome-moly-tungsten (Alloy C-276) wire specifically designed for arc spraying. It produces dense, well-bonded coatings with good resistance to corrosion, and stress cracking in caustic, acidic and chloride mediums. It's high hardness makes it very resistant to abrasion and metal wear.

TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	HRC 35
⇒ Bond Strength:	7000 psi
⇒ Deposit Rate:	10 lbs/hr/100A
⇒ Deposit Efficiency	70%
⇒ Wire Coverage:	0.8 oz/ft ² / mil
⇒ Surface Texture	* Variable

* 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

- ⇒ Corrosion resistance
- ⇒ Pump casings
- ⇒ valves

NOMINAL CHEMICAL COMPOSITION (wt%)

Ni	Cr	Mo	Fe	W
60.0	15.0	16.0	5.0	4.0

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50-60 psi	*29-32	*100-300	*3-8 in (8-20 cm)

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25# LWS	876062LWS00