

PRODUCT OVERVIEW

PMET 884 is a cored wire specifically designed for either arc spraying or flame spraying. It is self-bonding to most materials and requires minimal surface preparation. Bond strengths in excess of 9000 psi can be achieved on grit blasted surfaces. PMET 884 exhibits good resistance to high temperature oxidation and abrasion, and excellent resistance to impact and bending. PMET 884 can be machined and ground to a finish of 5 micro inches.

TYPICAL DEPOSIT CHARACTERISTICS:

- ⇒ Typical Hardness: HRB 75
- ⇒ Bond Strength: 9100 psi
- ⇒ Deposit Rate: 10 lbs/hr/100A
- ⇒ Deposit Efficiency: 70%
- ⇒ Wire Coverage: 0.9 oz/ft² / 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

- ⇒ Bond coat
- ⇒ Dimensional restoration

NOMINAL CHEMICAL COMPOSITION (wt%)

Al	Ni
20.0	Bal

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25# LWS	884062LWS01