

P♦MET 889 Arc Spray Wire

DESCRIPTION

P♦Met 889 is a nickel chrome titanium wire specifically designed for arc spraying. It produces dense, well-bonded coatings with excellent corrosion resistance and good wear resistance. It is highly resistant to sulfur and vanadium atmospheres up to 1825 degrees F. It has proven to be particularly effective as a protective arc spray coating for boiler tubes in black liquor recovery boilers and coal fired utility boilers.

TYPICAL DEPOSIT CHARACTERISTICS:

- Typical Hardness HRC 30-35
- Bond Strength 7000 psi
- Deposit Rate 10 lbs /hr/100A
- Deposit Efficiency 85%
- Wire Coverage 0.8 oz/ft² / m
- 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:

- Boiler Tubes
- Corrosion Resistance

SPECIFICATION:

NiCrTi

NOMINAL CHEMICAL COMPOSITION (wt%):

Cr	Ti	Ni
43.0	0.7	Bal

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50 - 60 psi	*30 - 32	*100 - 200	*4 - 6 in (10 -15cm)

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

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16 (1.6mm)	25# LLWS	889062LWS01

The properties listed are typical and not to be construed as guaranteed values. Actual properties may vary depending on customer operating conditions. Polymet makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in Polymet's terms and conditions.