

P♦MET 590
Arc Spray Wire

DESCRIPTION

P♦Met 590 is specifically designed for spraying in arc spray systems. It produces extremely well-bonded coatings with excellent Machineability. **P♦Met 590** has good corrosion resistance, along with good resistance to mechanical and thermal shock. It is particularly applicable to bond coats and machine element restoration work

TYPICAL DEPOSIT CHARACTERISTICS:

- Corrosion Resistance Good
- Typical Hardness HRB 67
- Bond Strength 7000 psi
- Deposit Rate 10 lbs /hr/100A
- Deposit Efficiency 75%
- Wire Coverage 0.9 oz/ft² / m
- Surface Texture *Variable
- Machineability 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:

- Aluminum Bronze Components
- Bond Coat
- Bearing Areas

SPECIFICATION:

Al Bronze

NOMINAL CHEMICAL COMPOSITION (wt%):

Al	Mn	Cu
7.0	0.5	Bal

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50 - 60 psi	*28 - 30	*100 - 200	*4 - 8 in (10 - 20cm)

* 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	59062LWS01

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