

P♦MET 50 IRON ALUMINUM ALLOY

Arc Spray Wire

DESCRIPTION:

P♦Met 50 is a cored wire specifically designed for arc spray systems. It produces a well bonded coating with high hardness. It has the unique ability to produce either smooth or very rough profile coatings for non-slip applications. **P♦Met 50** coatings have excellent Machineability. Typical applications include non-slip coatings for walkways and stairs, gripping rolls and bond coats.

TYPICAL DEPOSIT CHARACTERISTICS:

- Typical Hardness HRC 35
- Bond Strength 8000 psi
- Deposit Rate 10 lbs/hr/100A
- Deposit Efficiency 70%
- Wire Coverage 0.6 oz/sq.ft/mil
- Machineability Good

SURFACE PREPARATION:

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. 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

APPLICATIONS:

- Bond Coat
- Anti-Skid
- Traction Rolls
- Part Restoration

NOMINAL CHEMICAL COMPOSITION (wt%):

Al	C	Mn	Fe
5.5	2.0	0.8	Bal

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	20 - 60 psi	32	100 - 150	4 - 8 in (10 - 20cm)

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# LLWS	050062LWS01

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.