

PRODUCT OVERVIEW

PMET 549 is a pure tin (99.9% minimum purity) wire specifically designed for spraying in arc spray and flame spray systems. It produces dense, well-bonded coatings particularly applicable for electrical conductivity applications

TYPICAL DEPOSIT CHARACTERISTICS:

- ⇒ Typical Hardness: HRB 65-70
- ⇒ Bond Strength: 2500 psi
- ⇒ Deposit Rate: 48 lbs/hr/100A
- ⇒ Deposit Efficiency: 50% (arc spray)
70% (flame spray)
- ⇒ Wire Coverage: 1.0oz/ft²/ mil(arc)
0.8oz/ft²/ mil(flame)
- ⇒ 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

- ⇒ Solderable surface for electrical components
- ⇒ EMI/RFI Shielding

SPECIFICATION

PMET 549 Tin

NOMINAL CHEMICAL COMPOSITION (wt%)

Sn
99.9%

RECOMMENDED SPRAY PARAMETERS:

Air Pressure	Voltage	Amperage	Standoff
*50-60 psi	*21-23	*100-200	*4-8 in (10-20 cm)

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

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
0.091 inch (2.3 mm)	25# LWS	549091LWS00