



TH799 Tin

DESCRIPTION

TH799 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:

- Bond Strength 2500 psi
- Typical Hardness HRB 65-70
- Deposit Rate 48 lbs./hr./100A
- Deposit Efficiency 50%
- Wire Coverage 1.0 oz./sq. ft./m
- Surface Finish Variable depends on air pressure used

SURFACE PREPARATION:

Surface should be clean 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.

APPLICATIONS:

- Solderable surface for electrical components
- EMI/RFI Shielding

NOMINAL CHEMICAL COMPOSITION (wt. %):

Sb
99.9

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16"	*50-60 psi	*21-23	*100-200	*4-8 in (10-20cm)

*Parameters are typical and may vary depending on equipment used.

STANDARD SIZES & PACKAGING:

Diameter	Packaging
1/16 (1.6mm)	25#
2mm	25#