



TH267 Nickel Chrome Moly

DESCRIPTION

TH267 is a high purity nickel chrome molybdenum wire specifically designed for arc spraying. It produces dense, well-bonded coatings with good resistance to corrosion and good metal to metal wear resistance.

TYPICAL DEPOSIT CHARACTERISTICS:

- Bond Strength 7000 psi
- Typical Hardness HRB 35
- Deposit Rate 18 lbs./hr./150-200 Amps
- Deposit Efficiency 70%
- Wire Coverage 2 sq. ft./lbs. @ 12 mils
- Surface Texture Variable
- Machinability Good

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. *Thermion recommends a 3.5 mil minimum anchor tooth profile.

APPLICATION:

- Corrosion Resistance
- Pump Casings
- Valves

NOMINAL CHEMICAL COMPOSITION (wt. %):

Mo	Cr	Fe	W	Ni
16.0	15.0	5.0	4.0	Bal

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	80-100 psi	28-32	100-300	4-7" (10-17cm)

Parameters are typical and may vary depending on equipment used.

STANDARD SIZES & PACKAGING:

Diameter	Packaging
1/16 (1.6mm)	25#
3/32 (2.3mm)	25#