

## PRODUCT OVERVIEW

**PMET 718** is a solid wire specifically designed for flame spraying. It produces a hard, machinable deposit with low shrink, making it ideal for dimensional restoration of parts where thick build-up is required.

## TYPICAL DEPOSIT CHARACTERISTICS:

- ⇒ Typical Hardness: HRC 35
- ⇒ Bond Strength: 4000 psi
- ⇒ Deposit Efficiency: 70%
- ⇒ Machinability: 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

- ⇒ Part Restoration

## NOMINAL CHEMICAL COMPOSITION (wt%)

Cr	Fe	Mo	Mn	Si	C	Ni
1.5	90.0	1.3	2.3	0.1	0.04	4.5

## RECOMMENDED SPRAY PARAMETERS:

Please refer to your equipment manufacturers recommendations for 1/8 inch (3.2mm) steel wires.

## STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/8" (3.2mm)	approx. 50 lb coils	718125COIL01