

P♦MET 718 Alloy LS Flame Spray Wire

DESCRIPTION

P♦Met 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 a thick build-up is required.

TYPICAL DEPOSIT CHARACTERISTICS:

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

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.

SURFACE PREPARATION:

APPLICATIONS:

- 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:

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

STANDARD SIZES & PACKAGING:

| Diameter | Packaging | Part Number |
|-------------------|----------------------|--------------|
| 1/8 inch (3.2 mm) | Approx. 50 lb. coils | 718125COIL01 |

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