

Introduction

Alloy 718 powder is similar to Inconel 718. It is good for repair and build-up of similar chemistry super alloy components. The powders produce dense, self-bonding, single-step coatings that are oxidation and corrosion resistant at elevated temperatures. The coatings can be machined, milled, drilled and tapped without chipping and the edge can be excellent preserved.

Equivalent: Metco 1006, FST M-328, Praxair NI 202/1278, Amperit 407

Chemical Composition

Al	Nb+Ta	Fe	Cr	Ni	Mo	C	Ti
0.5%	5.1%	18%	19%	Bal.	3%	0.05%	0.95%

Applications

- Pump bodies
- Rocket engine components
- Gas turbine components
- Extrusion dies
- Chemical processing equipment

Physical Properties

Morphology	Spherical
Working Temperature	< 704°C
Production Method	Gas Atomized

Packaging

Bottle	5kg/bottle 4 bottles/box
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