

INLAND ATOMIZE METAL POWDER LLP

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IAMP NiFuse C2000

Material: Nickel Base Super Alloy (UNS N06200)

Manufacturing Method: Gas Atomization

IAMP NiFuse C2000 (Hastelloy C-2000) is a nickel-chromium-molybdenum alloy powder with copper addition, engineered to provide exceptional resistance to both oxidizing and reducing corrosive environments.

It offers outstanding protection against pitting, crevice corrosion, and stress corrosion cracking, making it suitable for severe chemical processing and industrial service.

Chemical Composition (Weight %)

Element	C	Si	Mn	Cr	Mo	Cu	Fe	Ni
Min				22.00	15.00	1.50		Bal.
Max	0.01	0.10	1.00	24.00	17.00	2.50	3.00	

Key Features

- Outstanding resistance to oxidizing and reducing acids
- Excellent protection against pitting and crevice corrosion
- High resistance to stress corrosion cracking
- Stable properties over a wide temperature range
- Suitable for thick, crack-free deposits
- Good ductility and toughness
- Excellent metallurgical bonding in cladding processes
- Apparent Density: 4.0 g/cc Min

Particle Size

- Flame Spray: 45 – 106 μm / 20 – 106 μm
- HVOF: 15 – 45 μm
- PTA (Plasma Transferred Arc) / Laser Cladding: 45 – 150 μm
- Custom made particle size can be made upon request

Packaging:

Powder will be supplied by standard packing in Plastic Jar of 1Kg, 5Kg, and 25Kg or can be supplied as per customer special requirement.

Storage:

- Keep in a cool, dry environment away from humidity
- Tumble container before use to ensure powder homogeneity
- Reseal containers immediately after powder withdrawal
- If moisture pickup occurs, dry at 65–95 °C for 120 Minutes with lid loosened
- Remove Silica Gel pouch before using the powder