

Monel 400 Data Sheet

Introduction

Monel 400 shows high strength and excellent corrosion resistance in a range of acidic and alkaline environments that is especially suitable for reducing conditions. It also has good ductility and thermal conductivity.

Equivalent: Tafa70T, Oerlikon, Metco, Monel, PMET877.

Chemical & Physical Properties

Ni	Fe	Cu	C	Mn	Si	S	Density	Melting Point
≥ 63	≤ 2.5	28-34	≤ 0.3	≤ 2	≤ 0.5	≤ 0.024	8.83g/cm ³	1350

Applications

- Ceramic under coating
- Oxidation resistance
- High temperature

Deposit Characteristics

Typical Hardness	HRB 84
Bond Strength	4310 psi
Deposit Rate	10 lbs /hr/100A
Deposit Efficiency	70%
Machine ability	Good

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0, 3.17	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

Packaging

Spool	15kgs(33 lbs) / spool (D300 spool)
Coil	20 - 400kgs / coil