

M247

NICKEL SUPERALLOY

M247 is a high-performance nickel-based superalloy with exceptional thermomechanical properties.

The material is closely related to IN625 and IN718 and displays remarkable inherent oxidation resistance, as well as outstanding strength and creep resistance at high temperatures.

It is particularly well-suited for use in demanding applications such as aerospace and gas turbine engines, combustion/ exhaust systems, turbopump impellers, and other similar high-temperature environments.



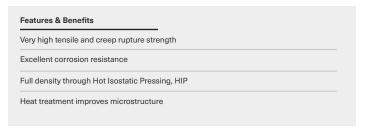


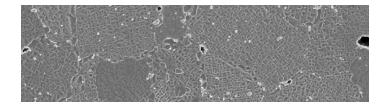
Composition	Weight%
Aluminum	5.4
Boron	0.012
Carbon	0.13
Cobalt	9.9
Chromium	8.3
Hafnium	1.3

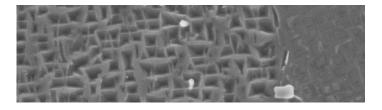
Composition	Weight%
Molybdenum	0.66
Nickle	Balance
Tantalum	3.0
Titanium	1.0
Tungsten	9.8
Zirconium	0.05

*Related compositions: MAR-M 247™, René 108, CM247LC

As Sintered
1250
750
20
35
98







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