

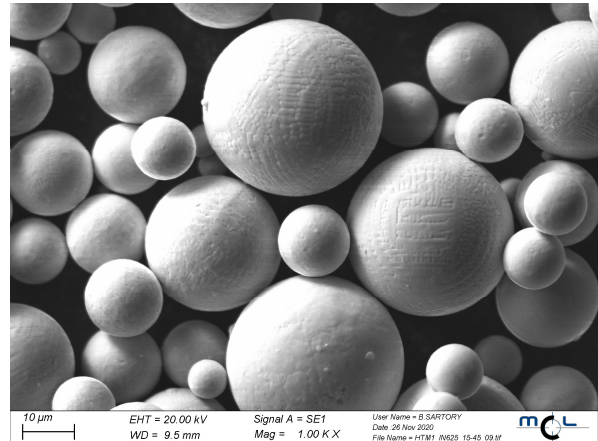
## Nickel based: MET In625

Alternative designation: 2.4856 / N06625 / Inconel 625

### Description and general material properties

MET Inconel 625 is a nickel-based superalloy that possesses high strength properties and resistance to elevated temperatures. It also demonstrates remarkable protection against corrosion and oxidation. Its ability to withstand high stress and a wide range of temperatures, both in and out of water, as well as being able to resist corrosion while being exposed to highly acidic environments makes it a fitting choice for nuclear and marine applications.

Typical applications are seawater components, flare stacks, aircraft ducting systems, specialized seawater equipment, chemical process equipment, turbine shroud rings, engine thrust-reverser systems, jet engine exhausts systems.



### Powder characteristics

Chemical composition		
Element	Min [wt%]	Max [wt%]
Cr	20,0	23,0
Mo	8,0	10,0
Nb	3,15	4,15
Fe		5,0
Co		1,0
Si		0,5
Mn		0,5
Others total		1,0
Ni	Balance	Balance