

## UNS N06625 Material Data Sheet

### Powder Description

UNS N06625 is nickel based alloy, which can be hardened by solid solution strengthening mechanism. Parts made from UNS N06625 has combination of high tensile, creep and fatigue properties. Parts manufactured from UNS N06625 exhibit good oxidation resistance and corrosion resistance. UNS N06625 is widely used into aerospace, marine and oil&gas fields.

### Safety Recommendation

Please refer to the Safety Data Sheet (SDS) provided.

### Chemical Composition

Elements [1]	Ni	Cr	Mo	Nb	Fe	Ti	Al	Co	Si	Mn	C
Min [wt.%]	Bal.	20	8	3.15	0	0	0	0	0	0	0
Max [wt.%]	Bal.	23	10	4.15	5	0.4	0.4	1	0.5	0.5	0.1

### Powder Properties

Particle Size Distribution [ $\mu\text{m}$ ] [2]	Flowability [s/50g] [3]	Apparent Density [ $\text{g}/\text{cm}^3$ ] [4]
15 - 45	17	3.83

### Additional Comments

- [1] The data is valid for the powder material
- [2] Particle size distribution measured according to ISO 13322-2
- [3] Flowability is measured according to ASTM B213-17 Method 1
- [4] Apparent Density is measured according to ASTM B212-17