

IN625

Nickel-based alloy ideal for applications in aerospace and energy industries

Key Features:

- > Excellent heat and corrosion resistance
- > High tensile, creep and rupture strength
- > Good ductility

Example Applications:

- > Gas turbines in aerospace and energy industries
- > Racing applications
- > Marine engineering
- > Chemical industry

[Technical Data]

General Properties

Part Density ISO3369 $\geq 8.40 \text{ g/cm}^3$

Mechanical Properties ¹

(Heat treated)

Tensile Strength ISO6892-1 $\geq 880 \text{ MPa}$

Yield Strength ISO6892-1 $\geq 450 \text{ MPa}$

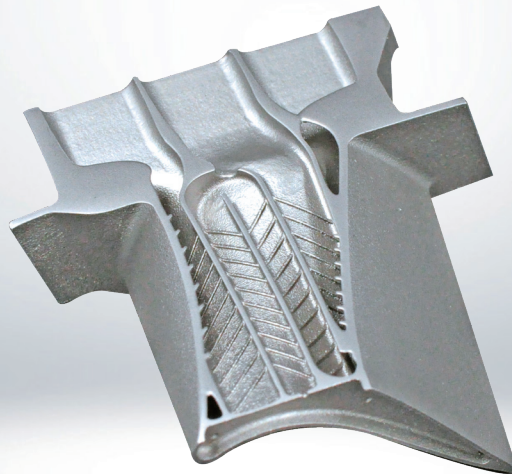
Elongation after Fracture ISO6892-1 $\geq 46 \%$

Vickers hardness ISO6507-1 / ISO6508-1 $\geq 15 \text{ HRC}$

¹ For more information on heat treatment process, please contact us directly.

Farsoon systems are open material platform. For special materials such as tungsten, tantalum and pure copper, please contact us with your inquiries or requirements.

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Turbine Blade
System: FS273M

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