

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

Density <small>ISO3369</small>	≥8.40 g/cm ³
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Mechanical Properties

(As built)

Tensile Strength <small>ISO6892-1</small>	≥950 MPa
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Yield Strength <small>ISO6892-1</small>	≥680 MPa
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Elongation after Fracture <small>ISO6892-1</small>	≥33 %
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Vickers hardness <small>ISO6507-1</small>	≥260 HV5/15
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Mechanical Properties ¹

(Heat treated)

Tensile Strength <small>ISO6892-1</small>	≥850 MPa
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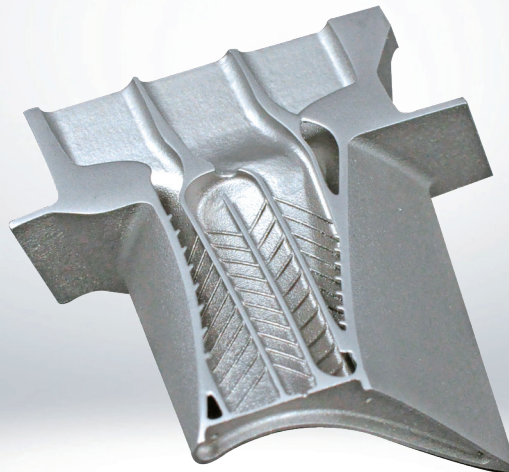
Yield Strength <small>ISO6892-1</small>	≥620 MPa
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Elongation after Fracture <small>ISO6892-1</small>	≥35 %
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Vickers hardness <small>ISO6507-1</small>	n/a
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¹ 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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