

Maraging Steel Grade 300

Genuine tool steel 18Ni300 offering superior strength and toughness

Key Features:

- > Excellent and stable mechanical properties
- > High strength and hardness
- > Easily heat-treatable and machinable to obtain required hardness & strength

Example Applications:

- > Producing a variety types of tools and molds
- > Great choice for manufacturing of plastic injection molds with internal cooling channels
- > High-performance parts in aerospace and automotive engineering

[Technical Data]

General Properties

Density ISO3369 $\geq 8.00 \text{ g/cm}^3$

Mechanical Properties

(As built)

Tensile Strength ISO6892-1 $\geq 1150 \text{ MPa}$

Yield Strength ISO6892-1 $\geq 950 \text{ MPa}$

Elongation after Fracture ISO6892-1 $\geq 10 \%$

Rockwell hardness ISO6508-1 $\geq 34 \text{ HRC}$

Mechanical Properties ¹

(Heat treated)

Tensile Strength ISO6892-1 $\geq 1900 \text{ MPa}$

Yield Strength ISO6892-1 $\geq 1600 \text{ MPa}$

Elongation after Fracture ISO6892-1 $\geq 3 \%$

Rockwell hardness ISO6508-1 $\geq 48 \text{ HRC}$

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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Conformal Cooling Mold
 System: FS273M
 Partner: Oerlikon

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