

MIMETE Grade	Al	C	Co	Fe	Mn	Mo	Ni	P	S	Si	Ti*	Reference Standard
MARS M300	0,05 ÷ 0,15	≤ 0,03	8,5 ÷ 9,5	bal	≤ 0,10	4,6 ÷ 5,2	18,0 ÷ 19,0	≤ 0,01	≤ 0,01	≤ 0,10	0,50 ÷ 0,80	ASTM A579

* higher Ti contents can be supplied for dedicated applications

MARS M300

INTRO

MIMETE's plant has been specifically designed to serve the additive market. A VIGA (vacuum induction melting inert gas atomization) ensures high purity and spherical powders. Moreover, thanks to tailored post-processing facilities and a fully equipped in-house laboratory, MIMETE is able to guarantee to its customers the highest quality standards and full process control. Every step of the process is conducted under inert gas and it is fully monitored and traced through the latest software application.

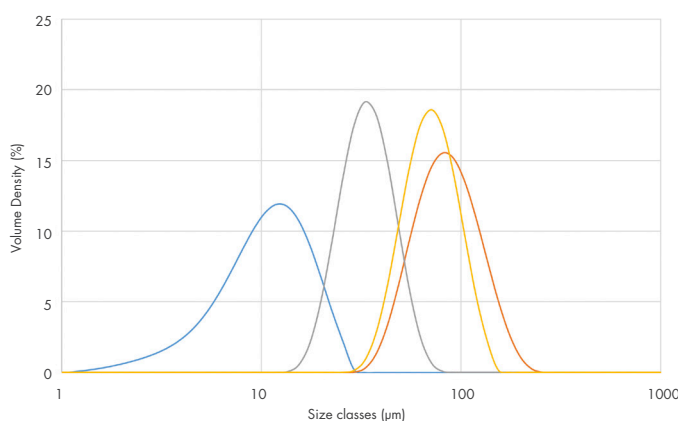
Through co-design solutions, we stand out from the others: by working in close relationship with customers, we achieve a level of understanding of the final application. This process enables us to develop the perfect combination of properties and therefore to produce the most performing metal powder available on the market.

This datasheet describes standard product and properties guaranteed on powder available on stock, it might be considered just a mere guide to introduce you to what MIMETE can offer.

Customization is our expertise.

all features can be customized

PRODUCT	MARS M300 - according to ASTM A579 Maraging steel characterized by low C, high Co and Ni content. High hardness and high tensile strength due to intermetallic precipitation after aging heat treatment.
PRODUCTION PROCESS	Vacuum inert gas atomization
PARTICLE SHAPE	Spherical
PACKAGING	10 kg plastic sealed bottle with silica bag

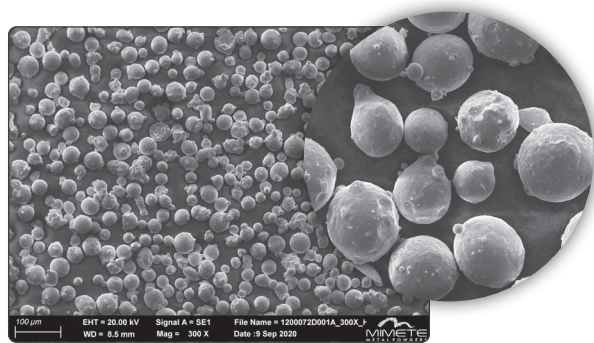


PSD

Nominal standard ranges

- <20 µm
- 15-45 µm
- 50-100 µm
- 50-150 µm

Depending on your specific requirements, MIMETE can provide any particle size



TECHNOLOGICAL PROPERTIES

- Flowability (Hall Flowmeter): ≤ 30 s/50g
- Apparent Density: 4,0 g/cm³

Typical values for 15-45 powder size