

## MIMETE® M 17-4PH

FOMAS Group's metal powder plant has been specifically designed to serve the additive manufacturing market. A VIGA, Vacuum Induction melting Inert Gas (argon or nitrogen) Atomization, ensures high purity and spherical powders.

The datasheet describes the standard product and the properties guaranteed on powder available on stock.

PRODUCT	MIMETE® M 17-4PH	According to UNS S17400 and EN 1.4542
<i>Precipitation hardening martensitic stainless steel with addition of Cu and Nb/Cb. It is characterized by high strength, hardness and corrosion resistance.</i>		
Production process	Vacuum Inert Gas Atomization	
Packaging	10 kg plastic sealed bottle or 100 kg steel drum, with silica bags	

CHEMICAL PROPERTIES <sup>1,2</sup>									
MIMETE® M 17-4PH	C	Cr	Cu	Fe	Mn	Nb	Ni	P	Si
MIN	0	15,0	3,00	bal	0	0,15	3,00	0	0
MAX	0,07	17,0	5,00		1,00	0,45	5,00	0,040	0,70

<sup>1</sup> Minor element ranges, even if not explicitly listed in the table, comply with both UNS and EN standards.

<sup>2</sup> MIMETE® powders are supplied to a tighter specification to minimise batch-to-batch variations.

PHYSICAL PROPERTIES <sup>3</sup>		Sampling / Analysis Methods
Nominal particle range	20-53 (max 5% over and under size)	ASTM B215 / ASTM B822 / B214

<sup>3</sup> Other standard particle ranges (i.e. 0-20, 50-100 and 50-150 µm) available on request.

The production plant has also a testing laboratory accredited by ACCREDIA in compliance with the requirements of the ISO/IEC 17025 international standard.

For the above mentioned standard product, powder properties, presented on this page, are guaranteed by MIMETE Srl.

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