

**ADVAMET[®] Feedstock for Metal Injection Molding (MIM)
TYPICAL CERTIFICATION**

P/N: 17-4PH-P6

Product: Prealloyed 17-4 PH SS
Nominal Metal Composition: Gas Atomized 17-4PH SS
Nominal Binder Content: 6.0%

Binder: Proprietary wax-polymer base binder
Metal Powders: d90 < 22 μ Gas atomized 17-4PH SS

Chemical Composition (Weight %)

Cr	15.5 – 17.5	Si	1.00 max	C	0.07 max
Ni	3.0 – 5.0	Mn	1.00 max	N	Report
Cu	3.0 – 5.0	P	0.04 max	O	Report
Cb, Ta	0.15 – 0.45	S	0.03 max	Fe	Balance

Viscosity

18,000 \pm 9,000 Poise at 175 C per ASTM D1238 modified
(Process details available on request)

Density

5.27 \pm 0.05 g/cm³ (measured with helium pycnometer)

Notes

1. Composition of metal constituents is determined by calculation from vendor data.
2. Composition of sintered material, particularly for C and O contents, depends on processing used by customer.
3. Properly processed feedstock will conform to MPIF Standard 35 Specification MIM-17-4PH.

Supplier

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