AUBERT&DUVAL

Pearl®Micro 17-4PH

Powder for Additive Manufacturing

PEARL Micro

CHEMICAL COMPOSITION

Elements	Fe	Cr	Ni	Cu	Mn	Si	Nb	Co	P	S	C	O	N
Min	Bal	15	3	3			0.15						
Max		17.5	5	5	1.2	1	0.45	0.099	0.04	0.03	0.07	0.03	0.1

STANDARDS

- European standards
  - X5CrNiCuNb 16-4
  - 1.4542
- US Standards
  - UNS S17400

PARTICLE SIZE DISTRIBUTIONS

Laser Beam Melting (powder bed): 10-63 μm
Electron Beam Melting (powder bed): 45-106 μm
Directed energy deposition (LMD): 45-106 μm
Customized particle size distributions upon request

CHARACTERISTICS

Precipitation hardening stainless steel produced by gas atomisation using ESH technology with:

- Excellent toughness properties
- High strength and corrosion resistance.

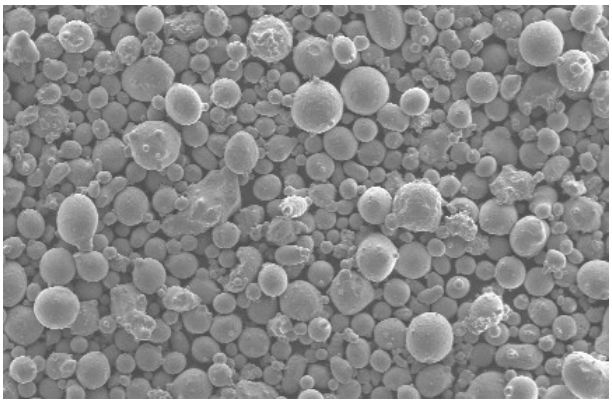
DENSITY FOR LBM

Apparent density	4.0 g/cm^3 ±0.2
Tap density	5.8 g/cm^3 ±0.2

QUALITY CERTIFICATES

- ISO9001 accreditation
- Certified material test report according to EN 10 204/3.1

POWDER MORPHOLOGY



Contact: powder@eramet-aubertduval.com

www.aubertduval.com