

Pearl[®] Micro HX

Powder for additive manufacturing



PEARL
Micro

CHEMICAL COMPOSITION

Elements	Ni	Co	Cr	Fe	Mo	W	Al	B	Cu	P	Mn	Si	Ti	C	S	O	N
Min	Bal.	0.5	20.5	17	8	0.2	-	-	-	-	-	-	-	-	-	-	-
Max	-	2.5	23	20	10	1.0	0.5	0.01	0.5	0.04	1.0	1.0	0.15	0.1	0,03	0.03	0.03

STANDARDS

- European standards
 - NiCr22Fe18Mo
 - 2.4665
- US Standards
 - UNS N06002

PARTICLE SIZE DISTRIBUTIONS

- Laser Beam Melting (powder bed): 10-53 μm
- Electron Beam Melting (powder bed): 45-106 μm
- Directed energy deposition (LMD): 45-106 μm
- Customized particle size distributions upon request

CHARACTERISTICS

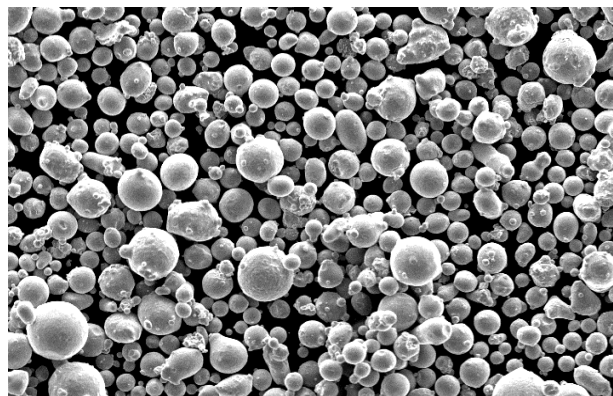
Precipitation hardened, nickel-based superalloy powder produced by VIM Gas atomization with:

- Very good resistance to oxidation
- Very good mechanical properties at high temperatures
- Generally used for parts working within the 600-700°C range (1112-1292°F)

QUALITY CERTIFICATES

- EN9100 accreditation
- Certified material test report

POWDER MORPHOLOGY



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