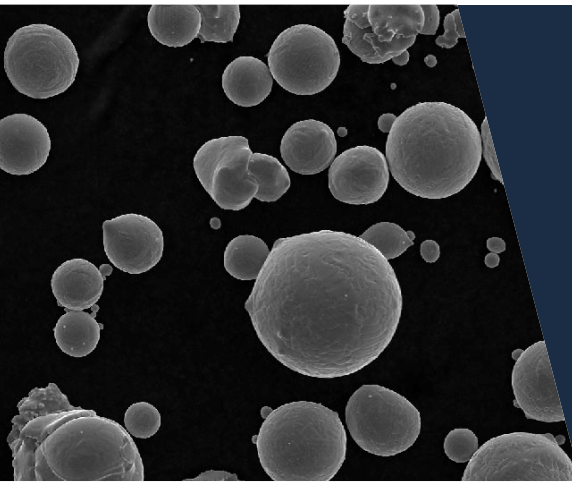


ANCOR AM H13



ANCOR AM H13

AISI Type H13 is a high-carbon, hot-work tool steel, widely used in die casting, extrusion, forging and stamping tool components because of excellent wear resistance and high hardenability. The material allows for higher working temperatures than typical tool steels because of good thermal shock resistance.

CONTACT INFORMATION

Additive Materials Expert

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- > Spherical Powder for Additive Manufacturing
- > Particle Size Engineered for Laser Powder Bed Fusion (LPBF), Electron Beam Melting (EBM)
- > Rigorous Quality Testing to AS9100 "D"
- > Powder Size Available for Metal Injection Molding and DED, "Direct energy deposition"

Typical Powder Characteristics

Laser Particle Size Analysis [μm]				Powder Properties		Application
Size Type	D10	D50	D90	Flow	AD	
<25	6	15	23	--	--	MIM, Binder Jetting
15-53	20	35	50	4.5 s/50g	3.52 g/cm ³	LPBF
45-105	50	75	103	--	--	EBM, Laser Cladding

ANCOR AM H13

Chemical Composition Nominal (wt%)						Maximum (wt%)		
Iron	Chromium	Molybdenum	Vanadium	Silicon	Manganese	Oxygen	Carbon	Sulfur
Bal.	5.1	1.5	1.0	0.9	0.3	0.2	0.45	0.03

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