XACT METAL

Xact Metal Materials

Xact Metal provides a wide range of metal powder materials to be used in powder-bed fusion printing. Optimal print parameters and control processes have been developed to ensure as-printed material performance.

Xact Metal partners with industry leading powder producers, like Praxair Surface Technologies, to offer a wide range of high-quality, certified and proven metal powders. These gas-atomized powders ensure all layers print with consistent density and uniform build rates to deliver mechanical, performance, and final part specifications.

Product Name	Typical Chemistry	Particle Size	Known Also As	Chemical Classification US
Aluminum Metal Powders				
AlSi10Mg				
Cobalt Metal Powders				
TruForm™ CoCr (Co-538-1)	Co-28Cr-6Mo-0.2C-0.2N	-45/+15um	CoCr, CoCrMo	ASTM F75
Copper Metal Powders				
Cu-104-2	Cu-10Al-1Fe	-53/+10um	Al Bronze	
Cu-169	Cu-1Cr-0.1Zr	-45/+15um	C18150	UNS C18150
Iron Metal Powders				
TruForm™ 155-4 (Fe-347-4)	Fe-14Cr-4Ni-4Cu-0.3Nb	-45/+15um	15-5PH	UNS S31603
TruForm™ 174-2 (Fe-276-2)	Fe-16Cr-4Ni-3Cu-1Si-0.25Nb	-45/+15um	17-4PH	UNS S17400
TruForm™ 316-3 (Fe-271-3)	Fe-17Cr-12Ni-3Mo	-45/+15um	316L	UNS S15500
TruForm™ MS (Fe-339-3)	Fe-18Ni-9Co-5Mo-1Ti	-45/+15um	M300	
Nickel Metal Powders				
TruForm™ 625-2 (Ni-328-2)	Ni-22Cr-10Mo-4Nb+Ta	-45/+15um	Inconel 625	UNS N06625
TruForm™ 718-35 (Ni-202-35)	Ni-19Cr-18Fe-5Nb+Ta-3Mo-1Ti	-45/+15um	Inconel 718	UNS N07718
TruForm™ HX-12 (Ni-111-12)	Ni-22Cr-19Fe-9Mo-2Co-0.5W-0.1C	-45/+15um	Hastelloy X	UNS N06002
Titanium Metal Powders				
TruForm™ 64-5 (Ti-105-5)	Ti-6Al-4V (Grade 5)	-45/+15um	Ti64 Grade 5	ASTM B348 Gr. 5
TruForm™ 64-23 (Ti-123-5)	Ti-6Al-4V (Grade 23)	-45/+15um	Ti64 Grade 23, ELI	ASTM B348 Gr. 23

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