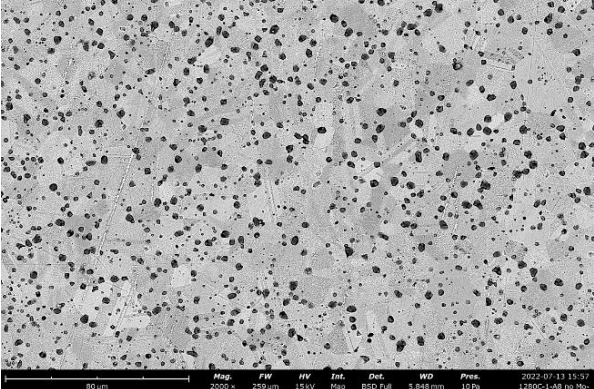


# XJET M600 – SS316L Metal Build Dispersion

Physical properties		Standard	
Density	98% - 7.83g/cm <sup>3</sup>	ASTM B311	
Mechanical properties			
Fe	balance		
Ni	10-14		
Cr	16-18		
Mo	2-3		
Mn	2.0(max)		
Mechanical properties			
Tensile Strength, Ultimate	594 MPa	ASTM E8 / E8M	
Tensile Strength, Yield	265 MPa	ASTM E8 / E8M	
Modulus of Elasticity	175 GPa	ASTM E8 / E8M	
Hardness HRB	86	ASTM E18 - 20	
Shrinkage per dimension	15.5±1%		
Thermal properties	Microstructure as sintered		
Coefficient of Thermal Expansion			
14.6 25°C			ASTM E831-19
17.0 100°C			ASTM E831-20
18.1 300°C			ASTM E831-21
19.8 500°C			ASTM E831-22
Others			
MSDS availability	EU, US, RU		
Certifications	ISO 9001, ISO 13485		
Cartridge weight	3Kg		
Storage conditions	15-35°C , 50% relative humidity, non-condensing		
Suitable protection	Wear suitable protective clothing, gloves and eye/face protection		
Risk phrases	H20/H22: Harmful if inhaled or swallowed H37/37/38: Irritating to eyes, respiratory system and skin		
First aid	Skin contact: rinse with large amounts of water and soap Refer for medical attention as necessary Do not use solvents or thinners		
Ingestion inhalation	DO NOT induce vomiting. Get medical attention immediately		
Shelf life	1 year		

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