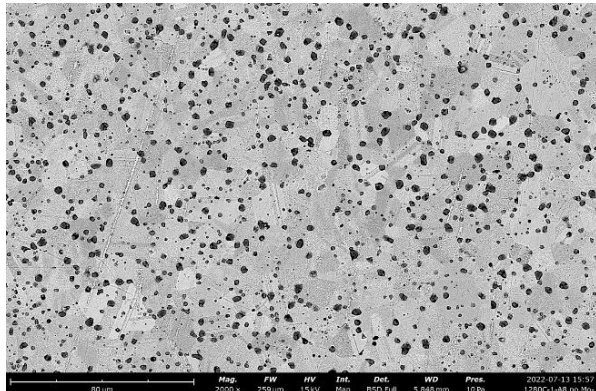


## M600 – SS316L Metal Build Dispersion

Physical properties			Standard		
Density			98% - 7.83g/cm³		
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		
Tensile Strength, Yield			265 MPa		
Modulus of Elasticity			175 GPa		
Hardness HRB			86		
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		
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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