

STAINLESS STEEL 316L

APPLICATIONS:Engineering applications including functional prototypes, small parts, custom-made parts or spare parts, parts requiring high corrosion resistance and sterilisability, parts requiring high strength and weldability.

CHEMICAL COMPOSITION: Fe balance, Cr (17.00-19.00), Ni (12.50-13.00), Mo (2.25-2.50), C (0.030 Max), Mn (2.00 max), Cu (0.50 max), P (0.025 max), S (0.010 max), Si (0.75 max), N (0.10 max)

DENSITY: 99.8%

	DMLS-SLM (As Built)	DMLS-SLM (HT1)
<u>MECHANICAL PROPERTIES:</u>		
0.02% Yield (MPa)	492	236
Ultimate Tensile (MPa)	588	577
Elongation (%)	20%	20%
Hardness (HRC)	19	19