

STAINLESS STEEL 17-4PH

APPLICATIONS: Parts requiring post-production, oil and gas industry, parts requiring ductility and high strength, parts requiring high corrosion resistance, functional prototypes, series parts and medical devices.

CHEMICAL COMPOSITION: Cr (14.0-15.5 wt-%), Ni (3.5-5.5 wt-%), Cu (2.5-4.5 wt-%), Mn (max. 1 wt-%), Si (max. 1 wt-%), Mo (max. 0.3 wt-%), Nb (0.15-0.45 wt-%), C (max. 0.07 wt-%)

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