



Stainless Steel 17-4PH

A stainless and hardenable alloy coupling great mechanical properties and high wear resistance with corrosion resistance. Typically used for industrial applications.

Part Properties

Measurement	Unit	Value	Test Method
Tensile strength	MPa	1,310	ASTM A564 H900
Yield strength	MPa	1,170	ASTM A564 H900
Elongation	%	10	ASTM A564 H900

Composition

	MIN	MAX
Si		1.00%
Cr	15.00%	17.50%
Mn		1.00%
Ni	3.00%	5.00%
Cu	3.00%	5.00%
Nb	0.15%	0.45%
P		60.04%
Fe	Balance	Balance

Heat treated H900 (ASTM 564) / Values determined by by third party test facility according to DIN EN ISO 6892-1:2020-06 - Process B / Specimen shape according to DIN 50125 - B6x30 / Relative density usually between 96% - 99% / Part properties impacted by different factors (part design & geometry, etc.) - Version 11/2022

Workflow

Validated workflows need to be followed to achieve properties as provided in the TDS. Examples of validated workflow steps are listed below. Users should defer to the most current workflow information for best results which can be found at support.nexa3d.com.

Additional methods can be found by contacting us at www.nexa3d.com.



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