

Data Sheet — 17-4 PH

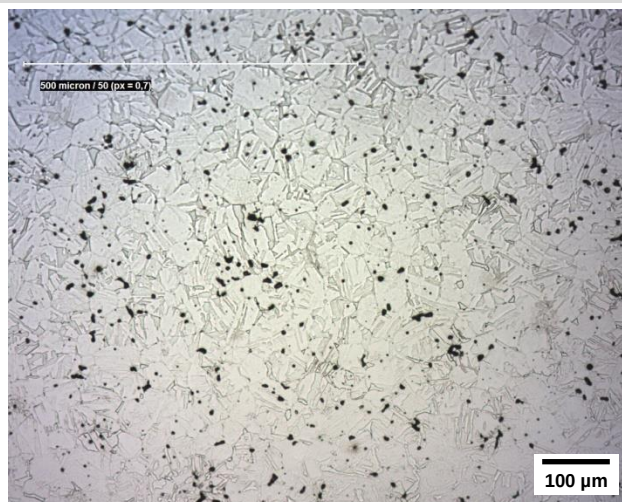
for technical applications

Comparable Standards	DIN 1.4542	X 5 CrNiCuNb 17 4	AISI/UNS S 17400
	ISO 22068 MIM-17-4PH-650	MPIF Standard 35 MIM-17-4 PH	

Composition	Fe	C	Cr	Ni	Cu	Nb	Mn	Si	Mo	others
min (wt.%)	-	-	15.0	3.0	3.0	-	-	-	-	-
max (wt.%)	Bal.	0.07	17.5	5.0	5.0	0.45	1.5	1.0	0.6	1.0

Typical Properties	Density	Hardness	R _m	R _{p0.2}	A ₁₀
	g/cm ³	HV10	MPa	MPa	%
	as sintered	≥ 7.5	≥ 270	≥ 790	≥ 650
	heat treated	≥ 7.5	360 - 440		≥ 3

Microstructure	as sintered
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Characteristics	Martensitic, precipitation hardening stainless steel
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Typical Applications	Components with high strength and corrosion resistance: mechanical engineering, automotive industry, building and construction industry, chemical and food industry, aviation and aerospace, marine
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These data presented here are based on our current knowledge and experience, but no liability can be assumed.