

Data Sheet — 17-4 PH

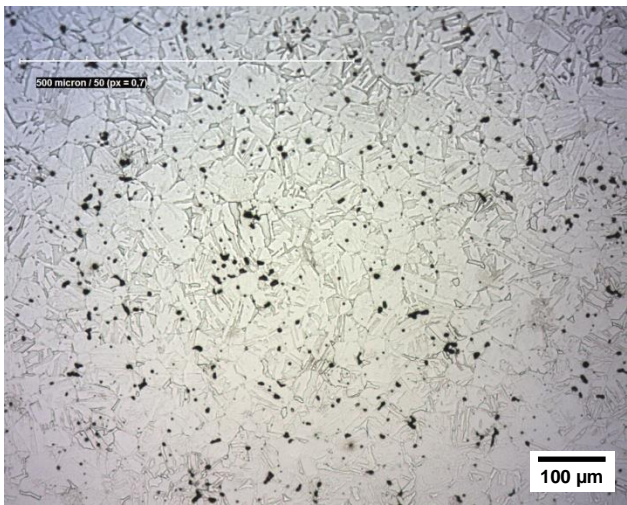
for technical applications

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

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

Microstructure as sintered



Characteristics Martensitic, precipitation hardening stainless steel

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

These data presented here are based on our current knowledge and experience, but no liability can be assumed.