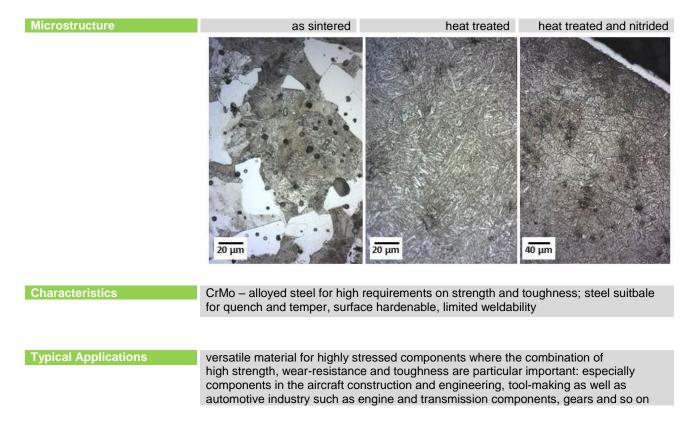
Version E/01	
2020/02/05	



Data Sheet — 42CrMo4

for technical applications

Comparable Standards	DIN 1.7225	5		AISI/SAE 4140			UNS G41400	
	ISO 22068	MIM-4140-40	0	MPIF	Standard 35)		
Composition	Fe	С	Cı	r	Мо	Mn	Si	others
min (wt.%)	-	0.3	0.8	8	0.15	-	-	-
max (wt.%)	Bal.	0.5	1.2	2	0.3	1.0	0.6	1.0
Typical properties	Density	Core hardness		Surface hardness		R _m	R _{p0,2}	A ₁₀
	g/cm ³	HV10		HV10		MPa	MPa	%
as sintered	≥ 7.4	≥ 130		≥ 130		≥ 700	≥ 400	≥ 3
heat treated		≥ 45 HRC		≥ 45 HRC		≥ 1000	≥ 700	≥2
heat treated and nitrided		≥ 28 HRC		≥ 600 HV				



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

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