

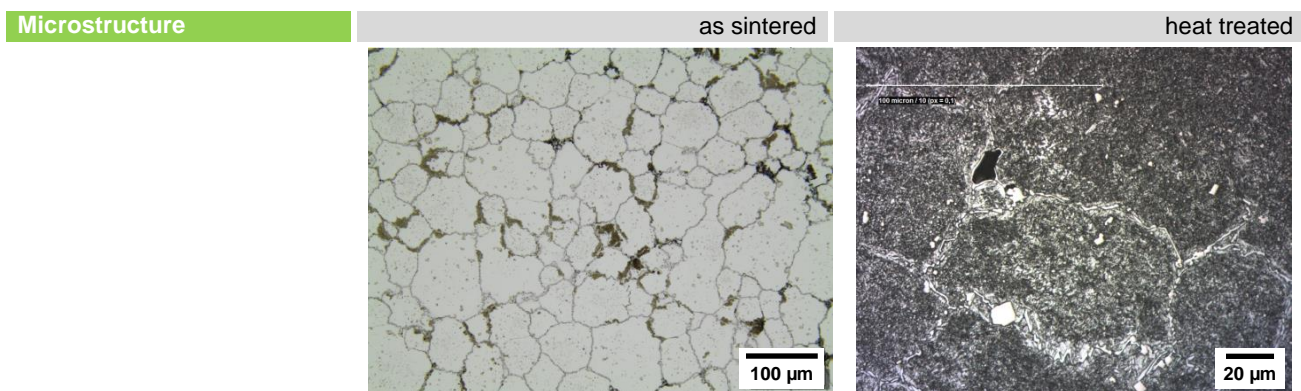
## Data Sheet — 440C

for technical applications

<b>Comparable Standards</b>	DIN 1.4125	X105CrMo17	AISI 440C
	-	MPIF Standard 35 MIM-440	

<b>Composition</b>	Fe	C	Cr	Ni	Mo	Mn	Si	Nb	others
	min (wt.%)	-	0.85	16.0	-	-	-	-	-
	max (wt.%)	Bal.	1.25	18.0	0.6	0.8	1.0	3.5	1.0

<b>Typical Properties</b>	Density	Hardness	R <sub>m</sub>	R <sub>p0.2</sub>	A <sub>10</sub>
	g/cm <sup>3</sup>	HV10	MPa	MPa	%
	as sintered	≥ 7.5	≥ 350	≥ 780	≥ 600
	heat treated	≥ 590			



**Characteristics** Heat treatable stainless steel with high strength, hardness and wear resistance; moderate corrosion resistance

**Typical Applications** Components with high demands on strength and wear resistance with a moderate corrosion resistance:  
 Mechanical and plant engineering; cutting tools, injection nozzles, surgical instruments, bearing industry.

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