

Quality	10CrMo9-10
According to Standard	EN 10273 : 2000
Number	1.7380



Comparable Standards	EN	W.N.			
		10CrMo9-10	1.7380		
Chemical Analysis	C %	Si % max	Mn %	P% max	S% max
	0.08 - 0.14	0.50	0.40 - 0.80	0.03	0.025
	Cr %	Cu max.	Mo %	Ni %	
	2.00 - 2.50	0.3	0.90 - 1.10	-	
Al _{tot}					
1)					

Hot Work and Heat Treatment Temperatures

Normalizing	Temperature Range For Quenching	
	Austenitizing	Tempering ²⁾
--	920 to 980	680 to 760

Mechanical Properties at Room Temperature

Usual delivery conditon	Diameter or thickness mm		Yield Strength R
	over	up to	N/mm2 min.
+N			
+NT	16	6	310
	40	40	300
+NT or +QA or +QL	60	60	290
	100	100	270
Tensile Strength	Elongation after fracture (L ₀ = 5,65S ₀) A (longitudinal) % min.	Minimum impact energy value	
		N/mm2	KV (longitudinal)
			J at temperatures in °C
480 to 630	18		
470 to 620		-	-
460 to 610	17		40

1) The Al content of the cast shall be determined and given in the inspection document.