

EVERYTHING. FOR THE BEST SOLUTION.



FERRITIC STAINLESS STEELS

MATERIAL DATA SHEET

Ferritic Stainless Steels



The specified mechanical properties refer to an annealed tube version. Other comparable materials are available upon request.

Steel grade	Standard	C max. [%]	Cr [%]	Mo [%]	Ni [%]	Others [%]	Rp0,2 min. [MPa]	Rm min. [MPa]	A5/A ^{***} min. [%]
1.4016	EN 10296-2	0.080	16.00 – 18.00	-	-	-	240	430	20
TP 430	ASTM A 268	0.120	16.00 – 18.00	-	-	-	240	415	20*
1.4509	EN 10296-2	0.030	17.50 – 18.50	-	-	Nb 3xC+0.30 to 1.00 / Ti 0.10 – 0.69	230	430	18
1.4510	EN 10296-2	0.050	16.00 – 18.00	-	-	Ti 4x(C+N)+0.15 to 0.80	230	420	23
TP 439	ASTM A 268	0.070	17.00 – 19.00	-	≤ 0.50	Ti 4x(C+N)+0.20 to 1.10 / Al bis 0.15 / N to 0.04	205	415	20*
1.4512	EN 10296-2	0.030	10.50 – 12.50	-	-	Ti 6x(C+N) to 0.65 / N to 0.03	210	380	25
TP 409	ASTM A 268	0.080	10.50 – 11.70	-	≤ 0.50	Ti 6xC to 0.75	170	380	20*
1.4520	EN 10088-2	0.025	16.00 – 18.00	-	-	Ti 4x(C+N) to 0.80 / N to 0.015	180	380 - 530	24
1.4521	EN 10296-2	0.025	17.00 – 20.00	1.80 – 2.50	-	Ti 4x(C+N)+0.15 to 0.80 / N to 0.03	280	400	20
1.4720	SEW 470	0.080	10.50 – 12.50	-	-	Ti 6xC to 1.00	210	400 - 600	25