

Chemical and Mechanical values of Duplex & SuperDuplex:

Chemical composition

Percentage %	C	Cr	Cu	Mn	Mo	N	Ni	P	S	Si	W
S31803	0.3	21.0 / 23.0	-	2.0	2.5 / 3.5	0.08 / 0.2	4.5 / 6.5	0.03	0.02	1.0	-
S32205	0.3	22.0 / 23.0	-	2.0	3.0 / 3.5	0.14 / 0.2	4.5 / 6.5	0.03	0.02	1.0	-
S32750	0.03	24.0 / 26.0	0.5	1.2	3.0 / 5.0	0.24 / 0.34	6.0 / 8.0	0.035	0.02	0.2 / 0.8	0.5 / 1.0
S32760	0.03	24.0 / 26.0	0.5 / 1.0	1.0	3.0 / 4.0	0.2 / 0.3	6.0 / 8.0	0.03	0.01	1.0	0.5 / 1.0

Mechanical Values

Properties	Value	
S31803	Tensile Strength (N/mm ²)	620
	Yield Stress / min (N/mm ²)	450
S32205	Tensile Strength (N/mm ²)	620
	Yield Stress / min (N/mm ²)	450
S32750	Tensile Strength (N/mm ²)	795
	Yield Stress / min (N/mm ²)	500
S32760	Tensile Strength (N/mm ²)	750
	Yield Stress / min (N/mm ²)	550