

Chemical and Mechanical values of Duplex & SuperDuplex:

## Chemical composition

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Percentage %	C	Cr	Cu	Mn	Mo	N	Ni	P	S	Si	W
<b>S31803</b>	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	-
<b>S32205</b>	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	-
<b>S32750</b>	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
<b>S32760</b>	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

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