Created by QA Engineer	New Zealand Tube Mills	Technical Information	Page: 1 of
Revision Date	No		Approved b
31-Aug-11	04		QA Engine
NZTM-Q04B:-	Stainless Steel Coi	I Specification (S304L)	,
		echanical properties , chemical composed by New Zealand Tube Mills for the r	
The extent of thi particularly the t will be substanti	s effect depends on the ube diameter to thickne ally increased, the tensi	or sections, the mechanical properties a specific dimensions of tube being proc ss ratio. In general during tube forming tile strength slightly increased and elong AL PROPERTIES OF STRIP	luced and , the yield stress
YIELD STRESS (I	min)	170 MPa (30ksi)	
TENSILE STRESS (min)		485 MPa (75.5ksi)	
ELONGATION (m	nin)	40%	
HARDNESS (max	()	92 Rockwell B (201 HB)	
NORMAL RAN	IGE OF MECHANICA	AL PROPERTIES OF STRIP	
YIELD STRESS		241 to 276 MPa	
TENSILE STRES	S	558 to 600 MPa	
ELONGATION		47 to 53%	
HARDNESS		72 to 77 HRB	
SPECIFIED CI	HEMICAL COMPOSI	TION - (LADLE ANALYSIS)	
CARBON	С	0.03 % (ma) max	
SILICON	Si	0.75 % (ma>max	
MANGANESE	Mn	2.00 % (ma>max	
	Р	0.045 % (mɛmax	
PHOSPHORUS			i i
PHOSPHORUS SULPHUR CHROMIUM	S Cr	0.03 % (maxmax 17.50 to 19.50 %	

FINISH	2B
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CONFORMANCE STANDARD

ASTM A240 / 480

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