



RELIABLE PIPES & TUBES LTD.

GOVT. OF INDIA RECOGNIZED EXPORT HOUSE
 OHSAS 18001:2007 CERTIFIED ISO 14001:2004 CERTIFIED
 ISO 9001:2008 CERTIFIED PED CERT NO 01 202 IND/Q-11-0033

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HASTELLOY C-2000 – UNS N06200

Chemical Composition (%)

		C-2000	Alloy C-276
Nickel	Ni	Balance	Balance
Cobalt	Co		2.5 max
Chromium	Cr	23	14.5 - 16.5
Molybdenum	Mo	16	15.0 - 17.0
Tungsten	W		3.0 - 4.5
Carbon	C	0.01 max	0.01 max
Iron	Fe		4.0 - 7.0
Silicon	Si	0.08 max	0.08 max
Manganese	Mn		1.0 max
Vanadium	V		0.35 max
Phosphorous	P		0.025 max
Sulphur	S		0.010 max
Copper	Cu	1.6	-

Mechanical Properties

Thickness	Temperature	Ultimate Tensile Strength	Yield Strength @ 0.2% offset	Elongation in 50.8 mm (2 inches)
0.063 in.	Room Temp	752 MPa (109.0 ksi)	358 MPa (52.0 ksi)	64%
0.125 in.	Room Temp	765 MPa (111.0 ksi)	393 MPa (57.0 ksi)	63%
0.250 in.	Room Temp	779 MPa (113.0 ksi)	379 MPa (55.0 ksi)	62%
0.500 in.	Room Temp	758 MPa (110.0 ksi)	345 MPa (50.0 ksi)	68%
1.00 in.	Room Temp	752 MPa (109.0 ksi)	372 MPa (54.0 ksi)	63%