

1 1

14

— 73.3 % ■ Cr — 16.3 % ■ Ni — 4 % ■ Cu — 4 % ■ — 2.4 %

Element	Concentration Range (%)	Measured Value (%)
C	≤ 0.07	~0.05
Si	≤ 1	~0.8
Mn	≤ 1	~0.8
P	≤ 0.04	~0.03
S	≤ 0.03	~0.02
Cr	15–17.5	~15
Ni	3–5	~4
Cu	3–5	~4
Nb	0.15–0.45	~0.2

— : Mo.

1, 4

 ≥ 375

.	HB
H550	≥ 331
H580	≥ 302
H620	≥ 277

5				
.	E GPa	ALPHA 10 ⁻⁶ /K	LAMBDA W/(m·K)	CP J/(kg·K)
20	200	—	—	—
100	195	11.1	17.2	—
200	185	11.5	—	—
300	175	11.8	—	—
400	170	12.2	—	—
500	—	12.6	23	460
		196	GPa	
		10.8	10 ⁻⁶ /K	
		16	W/(m·K)	
		500	J/(kg·K)	
		710	nJ·m	

12		
multiple operations, source states neither order nor alternation		
		480 °C —
		—
		550 °C —
multiple operations, source states neither order nor alternation		
		550 °C —
		—
multiple operations, source states neither order nor alternation		
		580 °C —

		—
	580 °C	—
	620 °C	—
multiple operations, source states neither order nor alternation		
	620 °C	—
		—
		—
source joins the operations with (or)		
		—
		—
multiple operations, source states neither order nor alternation		
		—
	620 °C	—
multiple operations, source states neither order nor alternation		
		—
	480 °C	—
		—

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05Cr17Ni4Cu4Nb	gb

	EN 10204	EN 10204 2.1, 3.1	3.2
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05Cr17Ni4Cu4Nb

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