

Steel Grade: 11MnNi5-3 | Material No: 1.6212
CHEMICAL COMPOSITION

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
≤0.14	≤0.50	0.70 ~ 1.50	0.025	0.015	—	0.30 ~ 0.80	≤0.05	Nb≤0.05Al≥0.020

HEAT TREATMENT

Hot Working°C	Normalizing/°C	Quench/°C	Temper°C
1100 ~ 850	880 ~ 940	—	580 ~ 640

MECHANICAL PROPERTIES IN NORMAL OR LOW TEMP

Condition	Tensile Strength σ _b /Mpa	Yield Strength σ _s ≥/Mpa	Extensibility δ ₅ (%)≥	Reduction of Area ψ(%)≥	Ballistic α _k (DVM)/J
-20°C	—	—	—	—	55
-50°C	—	—	—	—	45
Room Temperature	420 ~ 530	275	24	—	70
0	0	0	0	0	0

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