

**Steel Grade: 15NiMn6 | Material No: 1.6228**
**CHEMICAL COMPOSITION**

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
≤0.18	≤0.35	0.80 ~ 1.50	0.025	0.015	—	1.30 ~ 1.70	≤0.05	—

**HEAT TREATMENT**

Hot Working°C	Normalizing/°C	Quench/°C	Temper°C
1100 ~ 850	850 ~ 900	850 ~ 900 Water or Oil	600 ~ 660

**MECHANICAL PROPERTIES IN NORMAL OR LOW TEMP**

Condition	Tensile Strength σ <sub>b</sub> /Mpa	Yield Strength σ <sub>s</sub> ≥/Mpa	Extensibility δ <sub>5</sub> (%)≥	Reduction of Area ψ(%)≥	Ballistic α <sub>k</sub> (DVM)/J
-20°C	—	—	—	—	55
-50°C	—	—	—	—	50
-80°C	—	—	—	—	45
Room Temperature	490 ~ 640	345	22	—	55

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