



# Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 9SMnPb36 | Material No: 1.0737

## CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Pb(%)
≤0.14	≤0.05	1.00 ~ 1.50	0.11	0.34 ~ 0.40	0.20 ~ 0.35

## MECHANICAL PROPERTIES

Condition	Size/mm	Tensile Strength  $\sigma_b$ /Mpa	Yield Strength  $\sigma_s$ /Mpa	Extensibility  $\delta$ (%)≥	Hardness HBS≤
890 ~ 920°C Normalizing	≤16mm	≥380	235	—	—
890 ~ 920°C Normalizing	17 ~ 40mm	≥380	225	—	—
890 ~ 920°C Normalizing	41 ~ 63mm	≥380	215	23	—
Before Hot Working	≤10mm	390 ~ 580	—	—	174
Before Hot Working	11 ~ 16mm	390 ~ 590	—	—	174
Before Hot Working	17 ~ 40mm	380 ~ 550	—	—	163
Before Hot Working	41 ~ 63mm	370 ~ 540	—	—	159
Cold-Drawing	≤10mm	560 ~ 800	440	6	—

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