



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 60SPb20 | Material No: 1.0758

CHEMICAL COMPOSITION

| C(%) | Si(%) | Mn(%) | P(%) | S(%) | Pb(%) |
|-------------|-------------|-------------|------|-------------|-------------|
| 0.57 ~ 0.65 | 0.10 ~ 0.30 | 0.70 ~ 1.10 | 0.06 | 0.18 ~ 0.25 | 0.15 ~ 0.35 |

MECHANICAL PROPERTIES

| Condition | Size/mm | Tensile Strength σ_b /Mpa | Yield Strength σ_s /Mpa | Extensibility δ (%) \geq | Hardness HBS \leq |
|--------------------|--------------|-----------------------------------|---------------------------------|---------------------------------------|------------------------|
| Before Hot Working | ≤ 10 mm | 670 ~ 880 | — | — | 269 |
| Before Hot Working | 11 ~ 16mm | 670 ~ 880 | — | — | 269 |
| Before Hot Working | 17 ~ 40mm | 660 ~ 870 | — | — | 261 |
| Before Hot Working | 41 ~ 63mm | 650 ~ 860 | — | — | 261 |
| Cold-Drawing | ≤ 10 mm | 830 ~ 1080 | 645 | 5 | — |
| Cold-Drawing | 11 ~ 16mm | 780 ~ 1030 | 540 | 6 | — |
| Cold-Drawing | 17 ~ 40mm | 740 ~ 930 | 430 | 7 | — |
| Cold-Drawing | 41 ~ 63mm | 710 ~ 900 | 355 | 8 | — |

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