



Jiangyou Hacer Technology Co., Ltd.

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|---|------------------------------|-----------|-----------|---------------------------|--|-----------|-----------|
| Steel Grade: S235JR Material No: 1.0037 Equal Germany DIN: St37-2 Deoxidation Degree: — | | | | | | | |
| Thickness/mm: ≤16 Deoxidation Degree: — | | | | | | | |
| CHEMICAL COMPOSITION | | | | | | | |
| C(%) | Si(%) | Mn(%) | P(%) | S(%) | Other(%) | | |
| 0.17 | — | 1.4 | 0.045 | 0.045 | N≤0.009 | | |
| MECHANICAL PROPERTIES | | | | | | | |
| Yield Strength $\sigma_{0.2}$ /Mpa | | | | | | | |
| ≤16mm | 16-40mm | 40-63mm | 63-80mm | 80-100mm | 100-150mm | 150-200mm | 200-250mm |
| 235 | 235 | — | — | — | — | — | — |
| Tensile Strength σ_b /Mpa | | | | Ballistic Temperature(°C) | Ballistic $a_{kv} \geq$ (J/cm ²) | | |
| ≤3mm | 3-100mm | 100-150mm | 150-200mm | | 10-150mm | 150-250mm | |
| — | — | — | — | 20/20 | 27/27 | —/— | |
| Test Sample(L/T) | Extensibility δ (%) | | | | | | |
| | 3-40mm | 40-63mm | 63-100mm | 100-150mm | 150-250mm | | |
| L/T | 26/24 | 25/23 | 24/22 | 22/22 | 21/21 | | |

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