

Steel Grade: QStE500TM/S500MC | Material No: 1.0984

**CHEMICAL COMPOSITION**

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Ti(%) ≤	V(%)	Other(%)
0.12	0.50 <sup>⑥</sup>	1.7	0.025	0.015	0.15	0.2	Al ≤ 0.015%, Nb ≤ 0.09%

**MECHANICAL PROPERTIES**

Tensile Strength $\sigma_b(T)/\text{Mpa}$	Yield Strength $\sigma_s(T)/\text{MPa} \geq$	Extensibility $\delta_5(T)(\%) \geq$	Ballistic AKV/J(-20°C) $\geq$	Flexural Center Dia Cold-bend Test(180°C/T)	Annealing/°C <sup>⑨</sup>	Normalizing/°C <sup>⑩</sup>
550~700	500	17	28	d=1.0a	530~580	—

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