

Steel Grade: QStE420TM/S420MC | Material No: 1.0980

CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Ti(%) ≤	V(%)	Other(%)
0.12	0.50④	1.6	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/°C⑨	Normalizing/°C⑩
480~620	420	21	28	d=0.5a	530~580	—

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