

Steel Grade: QStE380TM/S380MC | Material No: 1.0978

CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Ti(%) ≤	V(%)	Other(%)
0.12 ^③	0.50 ^④	1.4	0.03	0.03	0.22	—	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 ^⑨	Normalizing/°C ^⑩
450~590	380	23	28	d=0.5a	530~580	—

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