

化学成分

単位: [%]

種類	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	Nb	V	B
SUMISTRONG 55-H	≤0.22	≤0.50	≤1.50	≤0.035	≤0.035	-	-	-	-	≤0.08	≤0.12	-
SUMISTRONG 60-Q	≤0.22	≤0.50	≤1.50	≤0.035	≤0.035	≤0.050	≤0.050	≤0.060	≤0.30	-	≤0.12	-
SUMISTRONG 65-H	≤0.22	≤0.50	≤1.20	≤0.035	≤0.035	-	-	0.30/1.10	0.10/0.30	-	≤0.12	-
SUMISTRONG 80-QA*1	≤0.22	≤0.50	≤1.20	≤0.035	≤0.035	≤0.050	-	0.30/1.10	0.10/0.30	-	≤0.12	≤0.006
SUMISTRONG 80-QC*2	≤0.16	≤0.35	≤1.20	≤0.030	≤0.010	≤0.050	≤1.00	≤0.80	≤0.60	-	≤0.10	≤0.006
SUMISTRONG 100-QC*2	≤0.20	≤0.50	≤1.20	≤0.025	≤0.010	≤0.020	≤0.20	≤1.20	≤0.90	≤0.06	≤0.10	-

① ② ③

(Ex.) SUMISTRONG 55 - H 80 - Q

① 引張特性: 引張強さ(TS)≥55Kg/mm² (540N/mm²)

② 熱処理: H⇒無し、AS Rolled(AR)

③ 熱処理: Q⇒焼き入れ—焼戻し、Quenching and Tempering (Q-T)

*1 QA: 高強度

*2 QC: 高強度 & 高靱性

機械的性質

種類	熱処理	引張強さ(TS) [N/mm ²]	降伏応力(YS) [N/mm ²]	伸び(E) [%]
SUMISTRONG 55-H	AR	≥540	≥390	≥23
SUMISTRONG 60-Q	QT	≥590	≥490	≥20
SUMISTRONG 65-H	AR	≥640	≥440	≥20
SUMISTRONG 80-QA	QT	≥785	≥685	≥15
SUMISTRONG 80-QC	QT	≥785	≥685	≥15
SUMISTRONG 100-QC	QT	≥960	≥890	≥14

