

# 材料成分表

## 薄板・機械構造用炭素鋼

記号	化学成分(%)								備考
	C	Si	Mn	P	S	Ni	Cr	others	
SPHC	≤0.15		≤0.60	≤0.050	≤0.050				鋼材の厚さ t(mm):1.2≤t≤14
SPCC	≤0.12		≤0.50	≤0.040	≤0.045				
SPCD	≤0.10		≤0.45	≤0.035	≤0.035				
SPCE	≤0.08		≤0.40	≤0.030	≤0.030				
SK4	0.90~1.00	0.10~0.35	0.10~0.50	≤0.030	≤0.030				
SK5	0.80~0.90	0.10~0.35	0.10~0.50	≤0.030	≤0.030				
S25C	0.22~0.28	0.15~0.35	0.30~0.60	≤0.030	≤0.035	≤0.20	≤0.20	Cu≤0.30,Ni+Cr≤0.35	
S45C	0.42~0.48	0.15~0.35	0.30~0.90	≤0.030	≤0.035	≤0.20	≤0.20	Cu≤0.30,Ni+Cr≤0.35	

※JIS抜粋

## 伸銅品

記号	化学成分(%)						備考
	Cu	Pb	Fe	Sn	Zn	others	
C2600P	68.5~71.5	≤0.05	≤0.05		残部		
C2801P	59.0~62.0	≤0.10	≤0.07		残部		
C5191P				5.5~7.0		P0.03~ 0.35,Cu+Sn +P≥99.5	
C1100P	≥99.90						

※JIS抜粋

## 特殊用途鋼(ステンレス鋼・耐熱鋼)

記号	化学成分(%)								備考
	C	Si	Mn	P	S	Ni	Cr	Mo	
SUS303	≤0.15	≤1.00	≤2.00	≤2.00	≥0.15	8.00~10.00	17.00~19.00	≤0.60(※1)	
SUS304	≤0.08	≤1.00	≤2.00	≤0.045	≤0.030	8.00~10.50	18.00~20.00		
SUS316	≤0.08	≤1.00	≤2.00	≤0.045	≤0.030	10.00~14.00	16.00~18.00	2.00~3.00	
SUS316L	≤0.030	≤1.00	≤2.00	≤0.045	≤0.030	12.00~15.00	16.00~18.00	2.00~3.00	

※JIS抜粋

※1:製造者が任意に添加できる。

## アルミニウム及びその合金の展伸材

記号	化学成分(%)										
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others		
										個々	合計
A1050P	≤0.25	≤0.40	≤0.05	≤0.05	≤0.05		≤0.05	≤0.03	V≤0.05	≤0.03	
A6063BE	0.2~0.6	≤0.35	≤0.10	≤0.10	0.45~0.9	≤0.10	≤0.10	≤0.10		≤0.05	≤0.15
A6063S	0.2~0.6	≤0.35	≤0.10	≤0.10	0.45~0.9	≤0.10	≤0.10	≤0.10		≤0.06	≤0.15
A2017BE	0.2~0.8	≤0.7	3.5~4.5	0.40~1.0	0.40~0.8	≤0.10	≤0.25	≤0.15	Zr+Ti≤0.20		

※JIS抜粋