

SI単位から従来単位への換算
Y(kgf/mm2)=X(N/mm2)÷9.80665
引張強さ、耐力 =X(N/mm2)×0.101972

アルミニウム合金の機械的性質引張試験									
種類	質別	記号	厚 さ		引張強さ N/mm ²	耐力 N/mm ²	伸 び %		
1080	○	1080P	0.5以上	0.8未満	54以上93以下	—	25以上		
			0.8 "	1.3 "	"	15以上	30 "		
			1.3 "	3.0 "	"	"	35 "		
	H14 H24	1080P	0.5以上	0.8未満	84以上118以下	—	3以上		
			0.8 "	1.3 "	"	64以上	4 "		
			1.3 "	3.0 "	"	"	5 "		
1070	H18	1080P	0.5以上	0.8未満	118以上	—	2以上		
			0.8 "	1.3 "	"	—	3 "		
			1.3 "	3.0 "	"	—	4 "		
	H112	1070P	6以上	12未満	69以上	34以上	15以上		
			12 "	25 "	59 "	25 "	20 "		
			2.5 "	5.0以下	54 "	20 "	25 "		
1050	○	1050P	0.5以上	0.8未満	59以上98以下	—	20以上		
			0.8 "	1.3 "	"	20以上	35 "		
			1.3 "	3.0 "	"	"	30 "		
			3.0 "	12 "	"	"	30 "		
			H12 H22	1050P	0.5 "	0.8 "	78以上118以下	—	4以上
					0.8 "	1.3 "	"	64以上	6 "
	1.3 "	3.0 "			"	"	8 "		
	H14 H24	1050P	0.5 "	0.8 "	94以上127以下	—	3以上		
			0.8 "	1.3 "	"	74以上	4 "		
			1.3 "	3.0 "	"	"	5 "		
			3.0 "	12 "	"	"	6 "		
			H16 H26	1050P	0.5 "	0.8 "	118以上147以下	—	2以上
					0.8 "	1.3 "	"	84以上	3 "
	1.3 "	3.0 "			"	"	4 "		
	H18	1050P	0.5 "	0.8 "	127以上	—	2以上		
			0.8 "	1.3 "	"	—	3 "		
			1.3 "	3.0 "	"	—	4 "		
	H112	1050P	6.0 "	12 "	78以上	44以上	10以上		
12 "			25 "	69 "	34 "	16 "			
12 "			25 "	69 "	34 "	16 "			
1100	○	1100P	0.5 "	0.8 "	74以上108以下	—	20以上		
			0.8 "	1.3 "	"	25以上	25 "		
			1.3 "	3.0 "	"	"	30 "		
			3.0 "	12 "	"	"	28 "		
			H12 H22	1100P	0.5 "	0.8 "	94以上127以下	—	4以上
					0.8 "	1.3 "	"	74以上	6 "
	1.3 "	3.0 "			"	"	8 "		
	H14 H24	1100P	0.5 "	0.8 "	118以上147以下	—	3以上		
			0.8 "	1.3 "	"	93以上	4 "		
			1.3 "	3.0 "	"	"	5 "		
			3.0 "	12 "	"	"	6 "		
			H16 H26	1100P	0.5 "	0.8 "	137以上167以下	—	2以上
					0.8 "	1.3 "	"	118以上	3 "
	1.3 "	3.0 "			"	"	4 "		
	H18	1100P	0.5 "	0.8 "	157以上	—	2以上		
			0.8 "	1.3 "	"	—	3 "		
			1.3 "	3.0 "	"	—	4 "		
			H112	1100P	6.0 "	12 "	93以上	49以上	9以上
12 "					25 "	83 "	34 "	14 "	
12 "					25 "	83 "	34 "	14 "	
2014	○	2014P	0.5 "	1.5 "	216以下	108以下	16以上		
			1.5 "	3.0 "	"	"	"		
			3.0 "	6.0 "	"	"	"		
			6.0 "	12 "	"	"	"		
			6.0 "	12 "	"	"	"		
			6.0 "	12 "	"	"	"		

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2014	T4	2014P	0.5以上	1.5未満	412以上	245以上	14以上		
			1.5 "	3.0 "	"	"	"		
			3.0 "	6.0 "	"	"	"		
			0.5 "	1.0未満	412以上	245以上	14以上		
			1.0 "	3.0 "	"	"	"		
			3.0 "	6.0 "	"	"	"		
	T6	2014P	0.5 "	1.0未満	441以上	392以上	6以上		
			1.0 "	3.0 "	461 "	402 "	7 "		
			3.0 "	6.0以下	"	"	"		
			0.4 "	0.5未満	216以下	—	12以上		
			0.5 "	1.5 "	"	108以下	"		
			1.5 "	3.0 "	"	"	"		
2017	○	2017P	0.4 "	0.5未満	216以下	—	12以上		
			0.5 "	1.5 "	"	108以下	"		
			1.5 "	3.0 "	"	"	"		
			3.0 "	6.0 "	"	"	"		
			6.0 "	12 "	"	"	"		
			6.0 "	12 "	"	"	"		
	T4	2017P	0.4 "	0.5未満	353以上	—	12以上		
			0.5 "	1.5 "	"	196以上	15 "		
			1.5 "	3.0 "	"	"	17 "		
			3.0 "	6.0以下	"	"	15 "		
			T3	2017P	0.4 "	0.5未満	373以上	—	12以上
					0.5 "	1.5 "	"	216以上	15 "
1.5 "	3.0 "	"			"	17 "			
2024	○	2024P	0.4 "	0.5未満	216以下	—	12以上		
			0.5 "	1.5 "	"	98以上	"		
			1.5 "	3.0 "	"	"	"		
			3.0 "	6.0 "	"	"	"		
			6.0 "	12 "	"	"	"		
			6.0 "	12 "	"	"	"		
	T4	2024P	0.4 "	0.5未満	431以上	—	12以上		
			0.5 "	1.5 "	"	275以上	15 "		
			1.5 "	3.0 "	"	"	"		
			3.0 "	6.0以下	"	"	"		
			6.0 "	12 "	"	"	"		
			6.0 "	12 "	"	"	"		
T3	2024P	0.5 "	0.5未満	441以上	—	12以上			
		0.8 "	1.5 "	"	294以上	15 "			
		1.3 "	3.0 "	"	"	"			
		3.0 "	6.0以下	"	"	"			
		3.0 "	6.0以下	"	"	"			
		3.0 "	6.0以下	"	"	"			
3003	○	3003P	0.5 "	0.8未満	94以上127以下	—	20以上		
			0.8 "	1.3 "	"	34以上	23 "		
			1.3 "	3.0 "	"	"	"		
			3.0 "	4.0 "	"	"	"		
			4.0 "	6.0 "	"	"	"		
			6.0 "	12以下	"	"	"		
	H12 H22	3203P	0.5 "	0.8未満	118以上157以下	—	4以上		
			0.8 "	1.3 "	"	84以上	5 "		
			1.3 "	3.0 "	"	"	6 "		
			3.0 "	4.0 "	"	"	7 "		
			4.0 "	6.0 "	"	"	8 "		
			6.0 "	12以下	"	"	9 "		
3203	H14 H24	3003P	0.5 "	0.8未満	137以上177以下	—	3以上		
			0.8 "	1.3 "	"	118以上	4 "		
			1.3 "	3.0 "	"	"	5 "		
			3.0 "	4.0 "	"	"	6 "		
			4.0 "	6.0 "	"	"	7 "		
			6.0 "	12 "	"	"	8 "		
	H16	3003P	0.5 "	0.8未満	167以上206以下	—	2以上		
			0.8 "	1.3 "	"	147以上	3 "		
			1.3 "	3.0 "	"	"	4 "		
			3.0 "	6.0 "	"	"	"		
			6.0 "	12 "	"	"	"		
			6.0 "	12 "	"	"	"		
H18	3203P	0.5 "	0.8未満	186以上	—	2以上			
		0.8 "	1.3 "	"	167以上	3 "			
		1.3 "	3.0 "	"	"	"			
		3.0 "	6.0 "	"	"	"			
		6.0 "	12 "	"	"	"			
		6.0 "	12 "	"	"	"			

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3003 3203	H112	3003P	6.0以上	12未満	118以上	69以上	8以上		
			12.0 "	25 "	108 "	39 "	12 "		
			25.0 "	50以下	98 "	"	"		
			○	5005P	3.0 "	0.8未満	108以上147以下	—	18以上
					0.5以上	1.3 "	"	34以上	20 "
					1.3 "	3.0 "	"	"	21 "
	H12 H22 H32	5005P	0.5 "	0.8未満	118以上157以下	—	3以上		
			0.8 "	1.3 "	"	84以上	4 "		
			1.3 "	3.0 "	"	"	5 "		
			3.0 "	4.0 "	"	"	6 "		
			4.0 "	6.0 "	"	"	7 "		
			6.0 "	12以下	"	"	8 "		
5005	H14 H24 H34	5005P	0.5 "	0.8未満	137以上177以下	—	1以上		
			0.8 "	1.3 "	"	108以上	2 "		
			1.3 "	3.0 "	"	"	3 "		
			3.0 "	4.0 "	"	"	5 "		
			0.5 "	0.8未満	157以上196以下	—	1以上		
			0.8 "	1.3 "	"	127以上	2 "		
	H16 H26 H36	5005P	0.5 "	0.8未満	177以上	—	1以上		
			0.8 "	1.3 "	"	—	2 "		
			1.3 "	3.0 "	"	—	3 "		
			3.0 "	6.0以下	"	"	"		
			H18 H38	5005P	0.5 "	0.8未満	177以上	—	1以上
					0.8 "	1.3 "	"	—	2 "
1.3 "	3.0 "	"			—	3 "			
5052	○	5052P	0.5 "	0.8未満	177以上216以下	—	16以上		
			0.8 "	1.3 "	"	64以上	18 "		
			1.3 "	3.0 "	"	"	19 "		
			3.0 "	6.0 "	"	"	20 "		
			6.0 "	12 "	"	"	18 "		
			12 "	50以下	"	"	"		
	H12 H22 H32	5052P	0.5 "	0.8未満	216以上265以下	—	5以上		
			0.8 "	1.3 "	"	157以上	"		
			1.3 "	3.0 "	"	"	7以上		
			3.0 "	6.0 "	"	"	9 "		
			6.0 "	12以下	"	"	11 "		
			6.0 "	12以下	"	"	"		
5154	○	5154P	0.5 "	0.8未満	235以上284以下	—	4以上		
			0.8 "	1.3 "	"	177以上	"		
			1.3 "	3.0 "	"	"	6以上		
			3.0 "	6.0 "	"	"	7 "		
			6.0 "	12以下	"	"	10 "		
			6.0 "	12以下	"	"	"		
	H12 H22 H32	5154P	0.5 "	0.8未満	255以上304以下	—	3 "		
			0.8 "	1.3 "	"	206以上	4 "		
			1.3 "	3.0 "	"	226以上	4 "		
			3.0 "	6.0 "	"	"	7 "		
			6.0 "	12未満	196以上	108以上	7 "		
			12 "	50以下	177 "	64以上	12 "		
H12 H22 H32	5154P	0.5 "	0.8未満	255以上294以下	—	5以上			
		0.8 "	1.3 "	"	177以上	"			
		1.3 "	3.0 "	"	"	16 "			
		3.0 "	6.0 "	"	"	18 "			
		6.0 "	12以下	"	"	"			
		6.0 "	12以下	"	"	"			

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種類	質別	記号	厚 さ		引張強さ N/mm ²	耐力 N/mm ²	伸 び %		
5154	H14 H22 H32	5154P	0.5以上	0.8未満	275以上314以下	—	4以上		
			0.8 "	1.3 "	"	206以上	"		
			1.3 "	4.0 "	"	"	6以上		
			4.0 "	6.0 "	"	"	7 "		
			6.0 "	12以下	"	"	10 "		
			6.0 "	12以下	"	"	"		
	H16 H26 H36	5154P	0.5 "	0.8未満	294以上333以下	—	3以上		
			0.8 "	1.3 "	"	226以上	"		
			1.3 "	3.0 "	"	"	4以上		
			3.0 "	6以下	"	"	5 "		
			H18 H38	5154P	0.5 "	0.8未満	314以上	—	3以上
					0.8 "	1.3 "	"	245以上	"
1.3 "	3以下	"			"	4以上			
H112	5154P	6.0 "	12未満	226以上	127以上	8以上			
		12 "	25以下	54 "	74 "	11以上			
		12 "	25以下	54 "	74 "	11以上			
		12 "	25以下	54 "	74 "	11以上			
		12 "	25以下	54 "	74 "	11以上			
		12 "	25以下	54 "	74 "	11以上			
5083	○	A5083P	0.5 "	0.8未満	275以上353以下	—	16以上		
			0.8 "	5.0以下	"	127以上196以下	"		
			0.5 "	0.8未満	314以上373以下	—	8 "		
	H22 H32	A5083P	0.8 "	3.0 "	"	235以上304以下	"		
			3.0 "	12以下	"	—	10 "		
			3.0 "	12以下	"	—	10 "		
H112	A5083P	6.0 "	50以下	275以上	127以上	12 "			
		6.0 "	50以下	275以上	127以上	12 "			
		6.0 "	50以下	275以上	127以上	12 "			
		6.0 "	50以下	275以上	127以上	12 "			
		6.0 "	50以下	275以上	127以上	12 "			
		6.0 "	50以下	275以上	127以上	12 "			
5N01	○	A5N01P	0.2 "	0.3未満	84以上127以下	—	10 "		
			0.3 "	0.5 "	"	—	15 "		
			0.5 "	1.3 "	"	—	20 "		
			1.3 "	6以下	"	—	25 "		
			H12 H22	A5N01P	0.2 "	0.3未満	108以上147以下	—	2 "
					0.3 "	0.5 "	"	—	3 "
	0.5 "	0.8 "			"	—	4 "		
	H14 H24	A5N01P	0.8 "	1.3 "	"	—	6 "		
			1.3 "	3.0 "	"	—	8 "		
			3.0 "	6以下	"	—	9 "		
			3.0 "	6以下	"	—	9 "		
			3.0 "	6以下	"	—	9 "		
			3.0 "	6以下	"	—	9 "		
	H16 H26	A5N01P	0.2 "	0.5未満	147以上186以下	—	1 "		
			0.5 "	0.8 "	"	—	2 "		
			1.3 "	1.3 "	"	—	3 "		
			3.0 "	3以下	"	—	4 "		
			3.0 "	3以下	"	—	4 "		
3.0 "			3以下	"	—	4 "			
H18	A5N01P	0.2 "	0.5未満	167以上	—	1 "			
		0.5 "	0.8 "	"	—	2 "			
		0.8 "	1.3 "	"	—	3 "			
		1.3 "	3以下	"	—	4 "			
		1.3 "	3以下	"	—	4 "			
		1.3 "	3以下	"	—	4 "			
6061	○	A6061P	0.4 "	0.5未満	147以下	—	14 "		
			0.5 "	3.0 "	"	84以下	16 "		
			3.0 "	16以下	"	—	18 "		
	T4 T6	A6061P	0.4 "	0.5未満	206以上	—	14 "		
			0.5 "	6.0以下	"	108以上	16 "		
			0.4 "	0.5未満	294以上	—	8 "		
7075	○	A7075P	0.5 "	0.5未満	275以下	—	10 "		
			12 "	12 "	"	147以下	"		
			25 "	25以下	"	—	"		
			0.4 "	0.5未満	530以上	—	7 "		
			0.5 "	1.0 "	"	461以上			