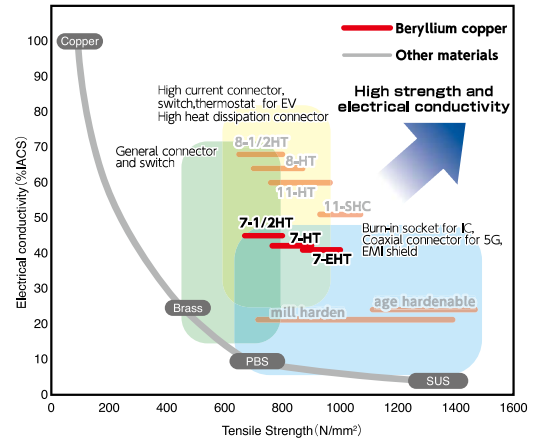


Mechanical Properties of Midrange Material

Alloy 7



Properties of Strip

Alloy	Temper	Designation ⁵⁾	Tensile test ¹⁾			Hardness test ²⁾		Electrical conductivity (%IACS) ³⁾
			Tensile strength (N/mm²)	Yield strength 0.2% offset (N/mm²)	Elongation (%)	Vickers hardness HV		
7	1/2HT	BeCu _R ^P 07-1/2HT	670-800 ⁴⁾	550-760	min. 10	195-250		min. 38
	HT	BeCu _R ^P 07-HT	765-900 ⁴⁾	686-834	min. 8	220-275		min. 33
	EHT	BeCu _R ^P 07-EHT	870-1000 ⁴⁾	750-930	min. 4	250-310		min. 30

1) Values are applicable to thickness 0.1 mm and over. 2) Values are applicable to thickness 0.1mm and over. 3) Electrical conductivity is for design guidance only. 4) The upper limits of tensile strength are for design guidance only. 5) P and R in column "Designation" represent "strip cut to length" and "strip in coils".

Tolerances

Thickness tolerance of Alloy 7

Standard thickness is only available for Alloy 7.

Specified thickness	Tolerance (mm)
0.08	±0.006
0.10	±0.006
0.12	±0.006
0.15	±0.008
0.18	±0.010
0.20	±0.010
0.25	±0.010
0.30	±0.015
0.35	±0.015
0.40	±0.015

Width tolerance (mm)

Specified width	Tolerance		
	Strip cut to length	Strip in coils	
		max. 100	Over 100 up to and including 200
from 0.08 up to 0.40	+2 -0	±0.1	±0.2

note) When the tolerance is specified either plus or minus side only, the same range of tolerance shall be applied.

Length tolerance (mm)

Specified length		Tolerance
Specified thickness	Specified length	
From	Up to and including	max. 1000
0.08	0.4	+10 - 0

Camber tolerance (mm)

Specified width		Maximum value
Over	Up to and including	Over 1000 length
from 4	13	4
13	50	3
50	100	2
100	200	1

